Survey of Income and Program
Participation (SIPP)
1990 Panel
Wave 4 Topical Module Microdata File

TECHNICAL DOCUMENTATION
SIPP-90-4T

SURVEY OF INCOME AND PROGRAM PARTICIPATION (SIPP)

1990 PANEL

WAVE 4 TOPICAL MODULE MICRODATA FILE

Technical Documentation

Washington, D.C.

1992

U.S. DEPARTMENT OF COMMERCE

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SURVEY OF INCOME AND PROGRAM PARTICIPATION (SIPP)
1990 PANEL
WAVE 4 TOPICAL MODULE MICRODATA FILE

ABSTRACT

*Survey of Income and Program Participation (SIPP) 1990 Panel, Wave 4
Topical Module Microdata File [machine-readable data file] / conducted by
the U.S. Bureau of the Census. –Washington: The Bureau [producer and
distributor], 1992.*

Type of File:

Microdata; unit of observation is an individual.

Universe Description:

The universe is the resident population of the United States, but excluding persons living in institutions and military barracks.

Subject-Matter Description:

The file contains data primarily from the topical module portion of the questionnaire. However, for purposes of matching persons to the core file, which was released separately, the beginning of the file contains identifying information as well as some basic demographic and social characteristics that are also contained in the core file. The identifying information includes sample unit, household address, and entry address identification. Demographic and social characteristics include age, sex, race (White; Black; American Indian, Eskimo, and Aleut; Asian or Pacific Islander; and Other), ethnic origin (23 categories including 7 Spanish origin categories), marital status, and education. Data in this topical module file include assets and liabilities, retirement expectations and pension plan coverage, and real estate property and vehicles.

The sample consists of 4 rotation groups, each interviewed in a different month from February to May 1991. For each group the reference period for reporting labor force activity and income is the four calendar months preceding the interview month.

SIPP is a longitudinal survey where each sampled household and each descendent household is reinterviewed at 4-month intervals for 6 interviews or "waves." This file contains the results of the fourth interview. Unique codes are included on each record to allow linking together the same persons from the preceding and subsequent waves.

Geographic Coverage:

United States. Codes are included for 41 individual States and the District of Columbia, although the sample was not designed to produce State estimates. Areas in the SIPP sample in nine other States are identified in three groups for confidentiality reasons. The file identifies a subsample of metropolitan residents, along with codes for selected metropolitan statistical areas (MSA's) and consolidated metropolitan statistical areas (CMSA's).

Technical Description:

File Structure: Rectangular. Each logical record for a sampled person includes information on the household and family of which the person was a part during each month of the reference period, as well as characteristics of the person.

File Size: 59,435 logical records; 1,132 character logical record length.

File Sort Sequence of Sample Units: Sampling unit identification number by entry address ID and person number within sampling unit.

Reference Materials:

Survey of Income and Program Participation (SIPP) 1990 Panel, Wave 4 Topical Module Microdata File Technical Documentation. The documentation includes this abstract, the data dictionary, an index to the data dictionary, relevant code lists, a questionnaire facsimile, and general information relative to SIPP. One copy of the technical documentation accompanies each file order but also may be purchased separately for $25 from Data User Services Division, Customer Services, Bureau of the Census, Washington, D.C. 20233.

Interviewers' Manual (1985). Survey of Income and Program Participation. U.S. Department of Commerce, Bureau of the Census. The manual is available for $10 from Data User Services Division, Customer Services, Bureau of the Census, Washington, D.C. 20233.

Survey of Income and Program Participation Users' Guide. The Users' Guide contains a general overview of the file as well as chapters on survey design and content, structure and use of cross-sectional files, linking waves and reliability of the data. A single copy accompanies each technical documentation or tape order. Additional copies are available for $15 each from Customer Services, Data User Services Division, Bureau of the Census, Washington, D.C. 20233.

Related Printed Reports:

Related printed reports include working papers, compilations of papers presented at annual meetings of the American Statistical Association, articles appearing in the *Journal of Economic and Social Measurement*, and reports in the P-70 series of the Current Population Reports. See the Users' Guide that accompanies the documentation for ordering information.

Related Machine-Readable Data Files:

SIPP files from all Waves of the 1984 through 1988 Panels as well as Waves 1 through 5 (core only except Waves 2 and 3 topical module) of the 1990 Panel and 1991 Waves 1 and 2.

File Availability:

The price of this file is $175, at either 6250 or 1600 bpi; ASCII or EBCDIC, labeled or unlabeled. The files are also available on tape cartridges (IBM 3480 compatible) for the same price. A machine-readable dictionary is contained at the end of the file. This dictionary is also available separately on one tape reel for $175. When ordering, please use the order form on the following page.

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FILE INFORMATION

Person Month File

The use of the SIPP public use data over the past four years has taught us a number of lessons. Foremost in those lessons is that the relational file structure is too complex for nearly all users. A close second is that the rectangular file, developed to simplify the relational file, is still too complicated for most users. We have also learned a number of ways to aid users in getting through the complexity of the rectangular file and have distributed those wherever possible. But the root of this lesson is that a public use file that is simpler than the current rectangular file is needed.

This solution does not provide a simpler file structure. In fact the person-month file structure is more complex than the rectangular person level file. What this solution provides is simplification and consistency to the content of the SIPP files. That simplification is achieved by coding everything to the monthly level.

The most confusing aspect of the SIPP data for most users is time. Data in SIPP are collected for particular weeks, all weeks, months, two or more months, and all months in the reference period. Disaggregating data collected for several months and aggregating data collected below the monthly level provide a variety of sources of confusion and error. The person-month structure puts all data at the month level with the appropriate aggregation or disaggregation.

The person-month structure is a natural unit because the basic building block of SIPP data is the month. All income, with the exception of a few asset income amounts, are collected at the monthly level and all household and family relationships are defined on a month-by-month basis. In collecting the data we have chosen to identify all changes except labor force changes as occurring between months. Data on labor force participation is given at both the weekly and monthly level. Changes in age and marital status occur from month-to-month. Income is recorded and recoded in monthly amounts. Data on participation in means-tested transfer programs is recorded on a monthly basis. You are considered a participant for a month, not on a week-by-week basis.

When analysts look at the SIPP data they see a large array of monthly and non-monthly data. Their problem then is to disaggregate the non-monthly data down to the month. In some cases this has been done for them. Households and families and their characteristics are defined on a monthly basis. But for most analysis there is considerable information that is carried only once per interview, or once for every four months, that must be disaggregated to the months. The person-month structure solves this problem by carrying all data at the monthly level. This requires a simple and straight forward assumption that the non-monthly data collected in the interview is the best proxy for the months covered by that interview.

A second source of confusion in the SIPP data is the volume of data combined with the presence of duplicated data. When the SIPP data were first released the Census Bureau chose to include all data, both collected and recoded, on the public use files. For those with experience with the survey, this was a valuable service. Edit routines could be checked by comparing the edited and unedited variables. Recodes could be checked by looking at the source codes used to develop these recodes. Universes could be determined by following through the skip patterns in the survey.

For most users this abundance of data results in confusion. It is difficult to understand why there are eight variables labeled sex in the file or why there are several variables that identify whether or not the person is a parent or guardian. Most users are expecting only one variable for each concept, not two or more.

Goals of the Redesign

This redesign effort is aimed at solving the problems of time and duplication on the SIPP public use data files. Time is simplified by carrying all variables on the monthly records. Data duplication is simplified by eliminating most if not all of the variables carried more than once per month. The third goal of this redesign is to reduce the total number of variables necessary and to impose a simple logical structure to the record layout. This paper will describe the record layout for a single month of data.

In order to eliminate duplicate data, the general principle followed here is to eliminate all unedited variables that also exist in edited form. All source codes that are carried in recoded or edited fields are also eliminated.

In order to reduce the number of variables on SIPP files, several variables have been eliminated. All check items have been eliminated. They carry information that is from other parts of the questionnaire or control card and are not edited. Creating person-month records also reduces the number of variables by a factor of four. A single record layout describes all of the variables available for a single month. That record is then repeated for each month. The current SIPP files contain all four months of data on a single record.

Defining the Monthly Record

There are certain structural elements of the current record layout that are useful to maintain in the person-month record. Household and family characteristics and aggregates are difficult to create regardless of how the file is structured, and there is little reason for each user to independently derive these aggregates. Thus the beginning of each monthly record shows the household, family, and subfamily characteristics created by the Census Bureau. Following those are person characteristics.

There are three basic kinds of person characteristics collected in the SIPP data: 1) demographic characteristics such as age, marital status, and education; 2) labor force and recipiency characteristics collected in section 1 of the questionnaire; and 3) job and income characteristics collected in sections 2 and 3 of the questionnaire.

The first set of person characteristics at the monthly level are the standard age, sex, race, and education variables. In addition, this section shows critical status characteristics like interview status and reason for exit are carried. The demographic characteristics are followed by a series of labor force participation items which describe the weekly labor force data that go into the monthly employment status recode (ESR). The ESR variable defines monthly labor force participation in eight categories. Weekly labor force data are recoded into a similar employment status variable. This section also carries a set of income recodes for total income, earnings, property income, means-tested cash transfers, and other income.

Data on jobs held follow the labor force participation data, and some editing is needed to adequately present these data. Currently SIPP carries space for two wage and salary jobs and two self-employment jobs for each individual. This is done because it is possible for a person to have more than one job during the four month period. For example, anyone who changes employer during the reference period is considered to have two jobs during the four months. It is also possible for a person to hold two jobs simultaneously (dual job holders). The difficulty that arises from this is that there is no simple way to distinguish job 1 from job 2. For some respondents it represents a change in employer and job 1 covers the first two months of the reference period and job 2 the last two months. For others, both jobs are held simultaneously. For still others, the two jobs are held simultaneously for a brief period of transition from one to the other. Each interviewer is instructed about which job to list as job 1 and job 2; however, no edit is performed to make sure those rules are followed. In addition, the instructions give the interviewer a choice of listing first the job lasting the longest or the job earning the most money.

These same situations can occur in any given month, although the chances for confusion are somewhat less. In this file, data for job 1 and job 2 will be presented for dual job holders. In all other cases the job for which the person earned the most money during the 4 month period will be listed as job 1 and job 2 will be the job for which the person earned the second largest amount of money during the monthly periods. There will also be a new recode created indicating whether this person has job information for 0, 1, or 2 jobs this month. This same procedure will be used for persons with more than one reported self-employment job in a given month. Earnings for each job are presented separately.

Data on each of the 35 sources of other income collected in SIPP follow the data on self-employment. This section contains a single field for each income source, and imputation flags that show that an amount was imputed.

The last section of the monthly record contains information on asset income. Asset income is collected as a single amount for the four month period, and in most cases for a set of income sources. Asset income also is collected for both joint and individual recipiency. For example, a single amount is collected for individual interest income received during the four month reference period. That amount includes interest from regular

savings accounts (ISS100), money market deposit accounts (ISS101), certificates of deposit (ISS102), and interest from NOW or super NOW accounts (ISS103). A second amount is recorded for one member of the household on interest from those sources where the account was owned jointly with another adult member of the household.

The asset income section contains a monthly value for each of the amounts collected in the questionnaire. The reference period amount is divided by four to get the monthly amount. In addition, joint income is split evenly between husband and wife. This section also carries an indicator for each source of income. If an individual has interest from both a regular savings account and a NOW account, both will be indicated. Of course, there is no way to allocate the income to these sources separately since separate information was not collected to begin with.

Geographic Coverage

State codes are shown except for nine States which are identified in three groups. A subsample of metropolitan residents is identified along with codes for selected metropolitan statistical areas (MSA's) and consolidated metropolitan statistical areas (CMSA's). **The sample was not designed to produce State or MSA/CMSA level estimates.** State codes are primarily useful in relating a respondent's recipiency of benefits to thresholds which may vary from State to State. MSA/CMSA codes may be used in relating respondent characteristics with contextual variables.

Identification Number System

The SIPP identification scheme is designed to uniquely identify individuals in each wave, provide a means of linking the same individuals over time, and group individuals into households and families over time.

The various components of the identification scheme are listed below:

>   Sample Unit Identification Number
>   Address ID
>   Entry Address ID
>   Person Number

The sample unit identification number was created by scrambling together the PSU, segment, and serial numbers used for Census Bureau administrative purposes. This identifier is constructed the same way on each wave regardless of moves, to enable matching from wave to wave.

The two-digit address ID code identifies each household associated with the same sample unit identification number. The first digit of the address ID code indicates the wave in which that address was first assigned for interview. The second digit sequentially numbers multiple households that have the same serial number. The address ID code is 11 for all sample addresses that are the same as in Wave 1. As SIPP sample persons move to new addresses, new address ID codes are assigned. Any new address to which sample unit members moved during Wave 4 is numbered in the 40's.

The person ID is a five-digit number consisting of the two-digit entry address ID and a three-digit person number. Person numbers 101, 102, etc., are assigned in Wave 1; 201, 202, etc., are assigned to persons added to the roster in Wave 2, and so forth. This five-digit number is not changed or updated, regardless of moves.

The sampling unit serial number and address ID code uniquely identifies each household in any given wave. The sampling unit serial number can link all households in subsequent waves back to the original Wave 1 household.

Topcoding of Income Variables

To protect against the possibility that a user might recognize the identity of a SIPP respondent with very high income, income from every source is "topcoded" so that no individual income amounts above $100,000 are revealed. While the data dictionary indicates a topcode of $33,332 for monthly income, this topcode will rarely

be used. In most cases the monthly Income is shown as an Individual dollar amount of $8,333, with $8,333 actually representing "$8,333 or more." (the $100,000 annual Income topcode is $8,333 multiplied by 12 months). Individual monthly amounts above $8333 may occasionally be shown if the respondent's Income varied considerably from month to month, as long as the average does not exceed $8,333. For example, if a respondents' income from a single job were concentrated in only one of the four reference months, a figure as high as $33,332 could be shown. (Income from interest or property have lower topcodes).

Summary income figures on the person, family, and household records are simple sums of the components shown on the file after topcoding, and are not independently topcoded. Thus, a person with high income from several sources (jobs, businesses, property) could have aggregate monthly income well over the topcode for each source. Families and households with a number of high income members could theoretically have aggregate income shown well over $100,000, though well below the $1.5 million shown as the highest allowable value in the data dictionary.

The user is cautioned against trying to make much use of the occasional monthly figures above $8,333, except in calculating aggregates or observing patterns across the 4-month period for a single individual, family, or household. Those units with higher monthly amounts shown are a biased sample of high income units, more likely to include units with income from multiple sources than other units with equally high aggregate income which comes from a single source.

GLOSSARY OF SELECTED TERMS

Absent 1 or more weeks. Absent 1 or more weeks means absent without pay from a job or business. Persons were absent without pay in a month if they were 'with a job' during the entire month, but were not at work at that job during at least 1 full week (Sunday through Saturday) during the month, and did not receive wages or a salary for any time during that week. Reasons for an unpaid absence include vacation, illness, layoff, bad weather, labor disputes, and waiting to start a new job.

Family household. A family household is a household maintained by a family; any unrelated persons (unrelated subfamily members and/or secondary individuals) who may be residing there are included. The number of family households is equal to the number of families. The count of family household members differs from the count of family members, however, in that the family household members include all persons living in the household, whereas family members include only the householder and his/her relatives.

Family. A family is a group of two or more persons (one of whom is the householder) related by birth, marriage, or adoption and residing together; all such persons (including related subfamily members) are considered members of one family.

Farm-nonfarm residence. The farm population refers to rural residents living on farms. Under this definition, a farm is any place in rural territory from which sales of crops, livestock, and other agricultural products amounted to $1,000 or more during the previous 12-month period.

Full-time and part-time. The data on full- and part-time workers pertain to the number of hours a person usually worked per week during the weeks worked in the 4-month reference period of the survey. If the hours worked per week varied considerably, the respondent was asked to report an approximate average of the actual hours worked each week.

Persons 16 years old and over who reported usually working 35 or more hours each week during the weeks they worked are classified as 'full-time' workers; persons who reported that they usually worked fewer than 35 hours are classified as 'part-time' workers. The same definitions are used in the CPS.

Household. A household consists of all persons who occupy a housing unit. A house, an apartment or other group of rooms, or a single room is regarded as a housing unit when it is occupied or intended for occupancy as separate living quarters; that is, when the occupants do not live and eat with any other persons in the structure and there is either (1) direct access from the outside or through a common hall or (2) a kitchen or cooking equipment for the exclusive use of the occupants.

A household includes the related family members and all the unrelated persons, if any, such as lodgers, foster children, wards, or employees who share the housing unit. A person living alone in a housing unit or a group of unrelated persons sharing a housing unit as partners is also counted as a household. The count of households excludes group quarters. Examples of group quarters include rooming and boarding houses, college dormitories, and convents and monasteries.

Householder. Survey procedures call for listing first the person (or one of the persons) in whose name the home is owed or rented. If the house is owned jointly by a married couple, either the husband or the wife may be listed first, thereby becoming the reference person, or householder, to whom the relationship of the other household members is recorded. One person in each household is designated as the 'householder.' The number of householders, therefore, is equal to the number of households.

Layoff. In general, the word 'layoff' means release from a job because of slack work, material shortages, inventory taking, plant remodeling, installation of machinery, or other similar reasons. For this survey, persons were also on 'layoff' who did not have job but who responded that they has spent at least 1 week on layoff from a job and that they were available to accept a job.

In addition, persons were on 'layoff' in a given month if they were 16 years old or over and (a) were 'with a job' but 'absent without pay' from that job for at least 1 full week during that month, and (b) they responded that their main reason for being absent from their job or business was 'layoff.' 'On layoff' also includes a small number of persons who responded that they were waiting to report to a new wage and salary job that was to begin within 30 days. In other words, persons waiting to begin a new job are classified together with persons waiting to return to a job from which they have been laid off.

Looking for work. Persons who 'looked for work' in a given month are those who were 16 years old or over and (a) were without a job during at least 1 week during the month, (b) tried to get work or establish a business or profession in that week, and (c) were available to accept a job. Examples of jobseeking activities are (1) registering at a public or private employment office, (2) meeting with prospective employers, (3) investigating possibilities for starting a professional practice or opening a business, (4) placing or answering advertisements, (5) writing letters of application, and (6) being on a professional register.

The CPS uses a similar concept of 'looking for work.' The term 'unemployed' as used in the CPS includes persons who were looking for work in the reference week and those who were 'on layoff' or 'waiting to begin a new job in 30 days."

Low-income Home Energy Assistance Program. Benefits from the Federally funded LIHEAP authorized by Title XXVI of the Omnibus Budget Reconciliation Act of 1981, or comparable assistance provided through State funded assistance programs, may be received in the form of direct payment to the household as reimbursement for heating or cooling expenses or paid directly to the fuel dealer or landlord.

Means-tested benefits. The term means-tested benefits refers to programs that require the income or assets (resources) of the individual or family be below specified guidelines in order to qualify for benefits. These programs provide cash and noncash assistance to the low-income population. The major sources of means-tested cash and noncash assistance are shown in Appendix B-2.

Medicaid. This term refers to the Federal-State program of medical assistance for low-income individuals and their families as provided for by Title XIX of the Social Security Act. The phrase 'Medicaid covered' refers to persons enrolled in the Medicaid program, regardless of whether they actually utilized any Medicaid covered health care services during the survey reference period.

Medicare. This term refers to the Federal Health Insurance Program for the Aged and Disabled as provided for by Title XVIII of the Social Security Act. The phrase 'Medicare covered' refers to persons enrolled in the Medicare program, regardless of whether they actually utilized any Medicare covered health care services during the survey reference period.

Monthly income. The monthly income estimates for households are based on the sum of the monthly income received by each household member age 15 years old or over.

Cash income includes all income received from any of the sources listed in Appendix B-1. Rebates, refunds, loans, and capital gain or loss amounts from the sale of assets, and interhousehold transfers of cash such as allowances are not included. Accrued interest on Individual Retirement Accounts, KEOUGH retirement plans, and U.S. Savings bonds are also excluded. This definition differs somewhat from that used in the annual income reports based on the March CPS Income supplement questionnaire. These data, published in the Consumer Income Series, P-60, are based only on income received in a regular or periodic manner and, therefore, exclude lump-sum or one-time payments such as inheritances and insurance settlements. The March CPS income definition, however, does exclude the same income sources excluded by SIPP.

The income amounts represent amounts actually received during the month, before deductions for income and payroll taxes, union dues, Part B Medicare premiums, etc.

The SIPP income definition includes three types of earnings: wages and salary, nonfarm self-employment, and farm self-employment. The definition of nonfarm self-employment and farm self-employment is not based on the net difference between gross receipts or sales and operating expenses, depreciation, etc. The monthly amounts for these income types are based on the salary or other income received from the business by the owner of the business or farm during the 4-month reference period.

The Bureau of Labor Statistics publishes quarterly averages for an earnings concept called 'usual weekly earnings' for employed wage and salary workers. The concept differs from the SIPP earnings concept since it is based on usual, not actual earnings, excludes the self-employed, and excludes earnings from secondary jobs.

While the income amounts from most sources are recorded monthly for the 4-month reference period, property income amounts, interest, dividends, rental income, etc., were recorded as totals for the 4-month period. These totals were distributed equally between months of the reference period for purposes of calculating monthly averages.

Nonfamily household. A nonfamily household is a household maintained by a person living alone or with nonrelatives only.

Persons of Spanish origin. Persons of Spanish origin were determined on the basis of a question that asked for self-identification of the person's origin or descent. Respondents were asked to select their origin (or the origin of some other household member) from a 'flash card' listing ethnic origins. Persons of Spanish origin, in particular, were those who indicated that their origin was Mexican, Puerto Rican, Cuban, Central or South American, or some other Spanish origin. It should be noted that persons of Spanish origin may be of any race.

Population coverage. The estimates are restricted to the civilian noninstitutional population of the 50 States and members of the Armed Forces living off post or with their families on post.

Race. The population is divided into groups on the basis of race: White; Black; American Indian, Eskimo, or Aleut; Asian or Pacific Islander; and 'other races.'

Special Supplemental Food Program for women, Infants, and Children (WIC). Benefits are received in the form of vouchers that are redeemed at retail stores for specific supplemental nutritious foods. Eligible low-income recipients are infants and children up to age five and pregnant, postpartum, and breastfeeding women.

Unemployment compensation. This term refers to cash benefits paid to unemployed workers through a State or local unemployment agency. These include all benefits paid under the Federal-State unemployment insurance program as established under the Social Security Act, as well as those benefits paid to State and local government employees, Federal civilian employees, and veterans.

With a Job. Persons are classified 'with a job' in a given month if they were 16 years old or over and, during the month, either (a) worked as paid employees or worked in their own business or profession or on their own farm or worked without pay in a family business or farm or (b) were temporarily absent from work either with or without pay. In general, the word 'job' implies an arrangement for regular work for pay where payment is in cash wages or salaries, at piece rates, in tips, by commission, or in kind (meals, living quarters, supplies received). 'Job' also includes self-employment at a business, professional practice, or farm. A business is defined as an activity which involves the use of machinery or equipment in which money has been invested or an activity requiring an office or 'place of business' or an activity which requires advertising; payment may be in the form of profits or fees.

The Current Population Survey (CPS), the official source of labor force statistics for the Nation, uses the same definition for a job or business. The term 'with a job,' however, should not be confused with the term 'employed' as used in the CPS. 'With a job' includes those who were temporarily absent from a job because of layoff and those waiting to begin a new job in 30 days; in the CPS these persons are not considered 'employed.' See 'Worked each week' below.

With labor force activity. The term 'with labor force activity' includes all persons with a job (as defined above) and those looking for work or on layoff from a job for at least 1 week during a given month. Conversely, those persons 'with no labor force activity' had no job, were not on layoff from a job and made no effort to find a job during the month.

Work disability. Persons were classified as having a work disability if they were identified by the respondent as having a physical, mental, or other health condition that limits the kind or amount of work they can do.

Worked each week. Persons 'worked each week' in a month if, for the entire month, they were 'with a job' and not 'absent without pay' from the job. In other words, a person worked each week in any month when they were (a) on the job the entire month, or (b) they received wages or a salary for all weeks in the month, whether they were on the job or not. Persons also worked each week if they were self-employed and spent time during each week of the month at or on behalf of the business or farm they owned, as long as they received or expected to receive profit or fees for their work.

In the CPS, the concept at 'work' includes those persons who spent at least 1 hour during the reference week at their job or business. In the CPS, however, 'at work' does not include persons who were temporarily absent from their jobs during the entire reference week on paid vacation, sick leave, etc. In SIPP, 'worked each week' does include persons on paid absences.

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HOW TO USE THE DATA DICTIONARY

The Data Dictionary describes the contents and record layout of the public-use computer tape file. The first line of each data item description gives the data name, size of the data field, and the begin position of the field.

The next few lines contain descriptive text and any applicable notes. Categorical value codes and labels are given where needed. Comment notes marked by an (*) are provided throughout. Comments should be removed from the machine-readable version of the data dictionary before using it to help access the data file.

> **Data.** Alphabetic, numeric, and the special character (-). No other special characters are used. It may be a mnemonic such as "STATE" or "SE1-OCC", or a sequential identifier such as "SC1176" or "WS-IMP01". Data item names are unique throughout the entire file.

> **Size.** Numeric. The size of a data item is given in characters. Indication of implied decimal places is provided in notes.

> **Begin.** Numeric. Contains the location in the data record of the first character position of the data item field.

The first line of each data item description begins with the character "D" (left-justified, two characters). The "D" flag indicates lines in the data dictionary containing the name, size, relative begin and begin position of each data item. This information (in machine-readable form) can be used to help access the data file. The line beginning with the character "U" describes the universe for that item. Lines containing categorical value codes and labels follow next and begin with the character "V". The special character (.) denotes the start of the value labels. Two examples of data item descriptions follow:

```
D SC1218    1  2805
        What was the main reason ... could
        not take a job during those weeks
U Persons 15 years old or older
V       0 .Not in universe
V       1 .Already had a job
V       2 .Temporary illness
V       3 .School
V       4 .Other


D RR3064    2  3760
        Railroad retirement sends out two types
        of checks; which color check does ...
        receive.
U Persons age 15 years or older receiving
  railroad retirement
V      -1 .DK
V      00 .Not in universe
V      01 .Blue
V      02 .Buff
V      03 .Direct deposit
V      04 .Other
```

SIPP 1990 WAVE 4 TOPICAL MODULE DATA DICTIONARY

DATA   SIZE BEGIN

D SUSEQNUM   5   1
    Sequence number of sample unit
    Primary sort key

D ID   9   6
    Sample unit identifier
    This identifier is created by scrambling
    together the PSU, segment and serial of
    the original sample address. It may be
    used in matching sample units from
    different waves

D ROTATION   1   15
    Rotation

D STATE   2   16
    FIPS state code from the MST/GRIN File
V   01 .Alabama
V   04 .Arizona
V   05 .Arkansas
V   06 .California
V   08 .Colorado
V   09 .Connecticut
V   10 .Delaware
V   11 .District Of Columbia
V   12 .Florida
V   13 .Georgia
V   15 .Hawaii
V   17 .Illinois
V   18 .Indiana
V   20 .Kansas
V   21 .Kentucky
V   22 .Louisiana
V   24 .Maryland
V   25 .Massachusetts
V   26 .Michigan
V   27 .Minnesota
V   28 .Mississippi
V   29 .Missouri
V   31 .Nebraska
V   32 .Nevada
V   33 .New Hampshire
V   34 .New Jersey
V   35 .New Mexico
V   36 .New York
V   37 .North Carolina
V   39 .Ohio
V   40 .Oklahoma
V   41 .Oregon
V   42 .Pennsylvania
V   44 .Rhode Island
V   45 .South Carolina
V   47 .Tennessee
V   48 .Texas
V   49 .Utah
V   51 .Virginia
V   53 .Washington
V   54 .West Virginia
V   55 .Wisconsin
V   61 .Maine,Vermont
V   62 .Iowa,North Dakota,South Dakota
V   63 .Alaska,Idaho,Montana,Wyoming

D PINX   2   18
    Person index from core

DATA   SIZE BEGIN

D ADDID   2   20
    Address ID. - This field differentiates
    households within the same PSU, segment
    and serial, that is, households which
    originate out of an original sample
    household
U All households

D ITEM36B   2   22
    Control card item 36B - Interview status
    code
U All households
V   01 .Interviewed
    Type A Noninterview
V   02 .No one home
V   03 .Temporarily absent
V   04 .Refused
V   05 .Unable to locate
V   06 .Other type A
    Type B Noninterview (Wave 1)
V   09 .Vacant
V   10 .Occupied by persons with URE
V   11 .Unfit or to be demolished
V   12 .Under construction, not ready
V   13 .Converted to temporary business
V   .or storage
V   14 .Unoccupied site for mobile
V   .home, trailer, or tent
V   15 .Permit granted, construction
V   .not started
V   .16 Other Type B
    Type B Noninterview (Wave 2+)
V   16 .Entire HH institutionalized
V   .or temporarily ineligible
    Type C Noninterview (Wave 1)
V   17 .Demolished
V   18 .House or trailer moved
V   19 .Converted to permanent
V   .business or storage
V   20 .Merged
V   21 .Condemned
V   22 .Other Type C
    Type C Noninterview (Wave 2+)
V   22 .Deleted (sample adjustment,
V   .error)
V   23 .Entire household deceased,
V   .moved out of country, or living
V   .in Armed Forces barracks
    Type D Noninterview (Wave 2+)
V   24 .Moved, address unknown
V   25 .Moved within country beyond
V   .limit
V   26 .All sample persons relisted on
V   .new control card(s)

D INTVW   1   24
    Person's interview status
U All persons, including children
V   0 .Not applicable (children
V   .under 15)
V   1 .Interview (self)
V   2 .Interview (proxy)
V   3 .Noninterview - type Z refusal
V   4 .Noninterview - type Z other

DATA	SIZE	BEGIN

D ENTRY   2   25
Edited entry address ID
Address of the household that this
person belonged to at the time this
person first became part of the sample
U All persons, including children

D PNUM   3   27
Edited person number
U All persons, including children

D FINALWGT   12   30
'STAGE1WT' * second stage factor
U All persons, including children

D RRP   1   42
Edited relationship to reference person
U All persons, including children
V   0 .Not a sample person in this
V   .month
V   1 .Household reference person,
V   .living with relatives
V   2 .Household reference person
V   .living alone or with only
V   .non-relatives (primary
V   .individual)
V   3 .Spouse of household reference
V   .person
V   4 .Child of household reference
V   .person
V   5 .Other relative of household
V   .reference person
V   6 .Non-relative of household
V   .reference person but related to
V   .others in the household-member
V   .of an unrelated sub (secondary)
V   .family
V   7 .Non-relative of household
V   .reference person and not
V   .related to anyone else in the
V   .household (secondary individual)

D AGE   3   43
Edited and imputed age as of last
birthday
U All persons, including children
V   000 .Less than 1 full year
V   001 .1 year
V   .etc.

D SEX   1   46
Sex of this person
Edited and imputed
U All persons, including children
V   1 .Male
V   2 .Female

D RACE   1   47
Race of this person
Edited and imputed
U All persons, including children
V   1 .White
V   2 .Black
V   3 .American Indian, Eskimo or
V   .Aleut
V   4 .Asian or Pacific Islander

D MS   1   48
Marital status
If a person's marital status changed
during any month, the marital status
shown is the status maintained for the
greatest part of the month - edited
and imputed

DATA	SIZE	BEGIN

U Persons 15 years old or older
V   0 .Not a sample person in this
V   .month
V   1 .Married, spouse present
V   2 .Married, spouse absent
V   3 .Widowed
V   4 .Divorced
V   5 .Separated
V   6 .Never married

D PNSP   3   49
Person number of spouse
U Persons 15 years old or older
V   000 .Not a sample person in this
V   .month
V   999 .Not applicable

D PNPT   3   52
Person number of parent
U Persons 15 years old or older
V   000 .Not a sample person in this
V   .month
V   999 .Not applicable

D HIGRADE   2   55
What is the highest grade or year of
regular school this person attended?
U Persons 15 years old or older
V   00 .Not applicable if under 15,
V   .did not attend or attended
V   .only kindergarten
V   01-08 .Elementary
V   09-12 .High school
V   21-26 .College

D GRD-CMPL   1   57
Did he/she complete that grade
U Persons 15 years old or older
V   0 .Not applicable
V   1 .Yes
V   2 .No

D ETHNICITY   2   58
Ethnic origin
U All persons, including children
V   01 .German
V   02 .English
V   03 .Irish
V   04 .French
V   05 .Italian
V   06 .Scottish
V   07 .Polish
V   08 .Dutch
V   09 .Swedish
V   10 .Norwegian
V   11 .Russian
V   12 .Ukrainian
V   13 .Welsh
V   14 .Mexican-American
V   15 .Chicano
V   16 .Mexican
V   17 .Puerto Rican
V   18 .Cuban
V   19 .Central or South American
V   .(Spanish speaking)
V   20 .Other Spanish
V   21 .Afro-American (Black or Negro)
V   30 .Another group not listed
V   39 .Don't know

D WAVE   1   60
Housing costs, conditions, and energy
usage, and automobile ownership

DATA   SIZE BEGIN

D TM8526   1   61
    Check item T11
    Is this the reference person's
    questionnaire
U All persons 15 years old and older
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to SC4800

D TM8528   1   62
    Check item T12
    Is this housing unit a mobile home
U Reference persons
V   0 .Not applicable
V   1 .Yes - skip to TM8608
V   2 .No

D TM8530   1   63
    Check item T13
    Tenure
U Reference persons living in housing
  unit other than mobile home
V   0 .Not applicable
V   1 .Owned or being bought
V   2 .Rented for cash - skip to
             .TM8658
V   3 .Occupied without cash payment
             - skip to TM8658

```
**********************************************
*  COMMENT                                   *
*  The next 3 fields (TM8532 through         *
*  TM8536) are person number(s) in          *
*  this household for the home owner(s).     *
*  In each case the range of answers is:     *
*                                            *
*V          0 .Not a legal person number     *
*             .or not in universe based on*
*             .response to TM8530            *
*V   101 - 124 .Person number                *
*V   180 - 199 .Person number                *
*V   201 - 224 .Person number                *
*V   280 - 299 .Person number                *
*V   301 - 324 .Person number                *
*V   380 - 399 .Person number                *
*V   401 - 424 .Person number                *
*V   480 - 499 .Person number                *
*V   501 - 524 .Person number                *
*V   580 - 599 .Person number                *
*V   601 - 624 .Person number                *
*V   680 - 699 .Person number                *
*V   701 - 724 .Person number                *
*V   780 - 799 .Person number                *
**********************************************
```

D TM8532   3   64
    Person number
U Reference persons living in housing
  unit other than mobile home that is
  owned or being bought

D TM8534   3   67
    Person number
U Reference persons living in housing
  unit other than mobile home that is
  owned or being bought

D TM8536   3   70
    Person number
U Reference persons living in housing
  unit other than mobile home that is
  owned or being bought

DATA   SIZE BEGIN

D TM8538   2   73
    In what month was this home purchased
U Reference persons living in housing
  unit other than mobile home that is
  owned or being bought
V   00 .Not applicable
V   01 - 12 .Month

D TM8539   4   75
    In what year was this home purchased
U Reference persons living in housing
  unit other than mobile home that is
  owned or being bought
V   0000 .Not applicable
V 1900-1991 .Year

D TM8540   1   79
    Is there a mortgage, home, equity
    loan, or other debt on this home
U Reference persons living in housing
  unit other than mobile home that is
  owned or being bought
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8598

D TM8542   1   80
    How many mortgages, home equity
    loans, or other debts are there
U Reference persons living in housing
  unit other than mobile home that has
  mortgage, home equity loan, or other
  debt on it
V   0 - 9 .Total number

```
**********************************************
*  COMMENT                                   *
*  The next 9 fields (TM8564 through         *
*  TM8592) are related to first mortgage     *
**********************************************
```

D TM8564   6   81
    How much principal is currently owed
    on this mortgage (debt)
U Reference persons living in housing
  unit other than mobile home that has
  mortgage, home equity loan, or other
  debt on it (First mortgage)
V   000000 .Not applicable
V 1 - 150000 .Total amount

D TM8568   4   87
    In what year was this mortgage
    (loan) obtained. (If mortgage was
    assumed, give the original date of the
    mortgage)
U Reference persons living in housing
  unit other than mobile home that has
  mortgage, home equity loan, or other
  debt on it (First mortgage)
V   0000 .Not applicable -
             .skip to TM8572
V 1901-1991 .Year - skip to TM8572

D TM8569   2   91
    In what month was this mortgage
    (loan) obtained
U Reference persons living in housing
  unit other than mobile home that has
  mortgage, home equity loan, or other
  debt on it (First mortgage)
V   00 .Not applicable
V   01 - 12 .Month

DATA	SIZE	BEGIN

D TM8572   6   93
    What was the amount of the mortgage
    (loan) when it was obtained or last
    refinanced
U Reference persons living in housing
  unit other than mobile home that has
  mortgage, home equity loan, or other
  debt on it (First mortgage)
V   000000 .Not applicable
V 1 - 175000 .Total amount

D TM8576   2   99
    What is the total number of years
    over which payments are to be made
U Reference persons living in housing
  unit other than mobile home that has
  mortgage, home equity loan, or other
  debt on it (First mortgage)
V   00 .Not applicable
V   01 - 99 .Total number of years
V   -8 .Not fixed

D TM8580   4   101   2
    What is the current annual interest
    rate on this mortgage (loan).
    There are 2 implied decimal places
U Reference persons living in housing
  unit other than mobile home that has
  mortgage, home equity loan, or other
  debt on it (First mortgage)
V   0000 .Not applicable
V 300 - 3000 .Interest rate (percent)

D TM8584   1   105
    Is the interest rate variable, that
    is, can the rate change over the
    term of the mortgage (loan)
U Reference persons living in housing
  unit other than mobile home that has
  mortgage, home equity loan, or other
  debt on it (First mortgage)
V   0 .Not applicable
V   1 .Yes
V   2 .No

D TM8587   1   106
    Was this mortgage obtained through
    an FHA or VA mortgage program
U Reference persons living in housing
  unit other than mobile home that has
  mortgage, home equity loan, or other
  debt on it (First mortgage)
V   0 .Not applicable
V   1 .Yes - FHA
V   2 .Yes - VA
V   3 .No

D TM8592   1   107
    Check item T14
    Is there another loan or mortgage
U Reference persons living in housing
  unit other than mobile home that has
  at least two mortgages, home equity
  loans, or other debts on it
V   0 .Not applicable
V   1 .Yes - skip to TM8566
V   2 .No - skip to TM8598

****
* COMMENT   *
* The next 8 fields (TM8566 through   *
* TM8589) are related to second   *
* mortgage or other loan   *
****

D TM8566   1   108
    How much principal is currently owed
    on this mortgage (debt)
U Reference persons living in housing
  unit other than mobile home that has
  mortgage, home equity loan, or other
  debt on it (Second mortgage)
V   0 .Not applicable
V   1 .Value combined with TM8564

D TM8570   4   109
    In what year was this mortgage
    (loan) obtained
U Reference persons living in housing
  unit other than mobile home that has
  mortgage, home equity loan, or other
  debt on it (Second mortgage)
V   0000 .Not applicable -
V   .skip to TM8574
V 1901-1991 .Year - skip to TM8574

D TM8571   2   113
    In what month was this mortgage
    (loan) obtain
U Reference persons living in housing
  unit other than mobile home that has
  mortgage, home equity loan, or other
  debt on it (Second mortgage)
V   00 .Not applicable
V   01 - 12 .Month

D TM8574   1   115
    What was the amount of the mortgage
    when it was obtained or last refinanced
U Reference persons living in housing
  unit other than mobile home that has
  mortgage, home equity loan, or other
  debt on it (Second mortgage)
V   0 .Not applicable
V   1 .Value combined with TM8572

D TM8578   2   116
    What is the total number of years
    over which payments are to be made
U Reference persons living in housing
  unit other than mobile home that has
  mortgage, home equity loan, or other
  debt on it (Second mortgage)
V   00 .Not applicable
V   01 - 99 .Total number of years
V   -8 .Not fixed

D TM8582   4   118   2
    What is the current annual interest
    rate on this mortgage (loan)
    There are 2 implied decimal places
U Reference persons living in housing
  unit other than mobile home that has
  mortgage, home equity loan, or other
  debt on it (Second mortgage)
V   0000 .Not applicable
V 300 - 3000 .Interest rate (percent)

DATA	SIZE	BEGIN

D TM8586   1   122
      Is the interest rate variable, that
      is, can the rate change over the
      term of the mortgage (loan)
U Reference persons living in housing
  unit other than mobile home that has
  mortgage, home equity loan, or other
  debt on it (Second mortgage)
V   0 .Not applicable
V   1 .Yes
V   2 .No

D TM8589   1   123
      Was this mortgage obtained through
      an FHA or VA mortgage program
U Reference persons living in housing
  unit other than mobile home that has
  mortgage, home equity loan, or other
  debt on it (Second mortgage)
V   0 .Not applicable
V   1 .Yes - FHA
V   2 .Yes - VA
V   3 .No

D TM8594   1   124
      Check item T15
      Are there 3 or more mortgages or
      loans on this home
U Reference persons living in housing
  unit other than mobile home that has
  at least 2 mortgages, home equity loan,
  or other debt on it
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8598

D TM8596   1   125
      How much principal is currently owed
      on all the remaining mortgages or
      loans not reported previously
U Reference persons living in housing
  unit other than mobile home that has
  3 or more mortgages or loans on home
V   0 .Not applicable
V   1 .Value combined with TM8564

D TM8598   6   126
      What is the current value of this
      property that is, how much do you
      think it would sell for on today's
      market if it were for sale
U Reference persons living in housing
  unit other than mobile home that is
  owned or being bought
V   000000 .Not applicable -
V   .skip to TM8660
V 3 - 300000 .Total amount - skip to
V   .TM8660

D TM8608   1   132
      Check item T16
      Tenure of mobile home
U Reference persons living in mobile
  home
V   0 .Not applicable
V   1 .Owned
V   2 .Rented - skip to TM8658
V   3 .Occupied without cash rent -
V   .skip to TM8658

DATA	SIZE	BEGIN

D TM8610   1   133
      Is there a mortgage, installment
      loan, contract to purchase, or other
      debt on this mobile home or site
U Reference persons who own mobile
  home
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8630

D TM8612   1   134
      Is this a mortgage, contract, or
      other debt for just the site, or
      does it also apply to this mobile home
U Reference persons living in mobile
  home that has a mortgage, installment
  loan, contract to purchase, or other
  debt on this mobile home or site
V   0 .Not applicable
V   1 .Mobile home only
V   2 .Site only
V   3 .Site and home

D TM8624   5   135
      How much principal is currently owed
      on this (these) mortgage(s)
U Reference persons living in mobile
  home that has a mortgage, installment
  loan, contract to purchase, or other
  debt on this mobile home or site
V   00000 .Not applicable
V 3 - 35000 .Total amount

D TM8630   5   140
      How much do you think this mobile
      home (and site) would sell for
      today if it were for sale
U Reference persons who own mobile home
V   00000 .Not applicable
V 3 - 60000 .Total amount - skip to
V   .TM8660

D TM8658   1   145
      Check item T17
      Is this residence in a public
      housing project, is it subsidized,
      or is it neither public nor subsidized
U Reference persons living in housing unit
  or mobile home
V   0 .Not applicable
V   1 .In a public housing project
V   .- skip to TM8714
V   2 .Subsidized - skip to TM8714
V   3 .Neither public nor subsidized

D TM8660   1   146
      Do you or anyone in this household
      own any (other) real estate, such
      as a vacation home or undeveloped
      lot
U Reference persons living in housing unit
  or mobile home that is neither public nor
  subsidized
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8714

DATA   SIZE BEGIN

D TM8662   3   147
    Which person in this household is
    the first owner of this
    (these)property(ies)
U Reference persons living in housing unit
  or mobile home that is neither public nor
  subsidized and own other real estate
V   000 .Not applicable
V   101 - 124 .Person number
V   180 - 199 .Person number
V   201 - 224 .Person number
V   280 - 299 .Person number
V   301 - 324 .Person number
V   380 - 399 .Person number
V   401 - 424 .Person number
V   480 - 499 .Person number
V   501 - 524 .Person number
V   580 - 599 .Person number
V   601 - 624 .Person number
V   680 - 699 .Person number
V   701 - 724 .Person number
V   780 - 799 .Person number

D TM8664   3   150
    Which person in this household is
    the second owner of this (these)
    property(ies)
U Reference persons living in housing unit
  or mobile home that is neither public nor
  subsidized and own other real estate
V   000 .Not applicable
V   101 - 124 .Person number
V   180 - 199 .Person number
V   201 - 224 .Person number
V   280 - 299 .Person number
V   301 - 324 .Person number
V   380 - 399 .Person number
V   401 - 424 .Person number
V   480 - 499 .Person number
V   501 - 524 .Person number
V   580 - 599 .Person number
V   601 - 624 .Person number
V   680 - 699 .Person number
V   701 - 724 .Person number
V   780 - 799 .Person number

D TM8666   6   153
    What is the total value of... equity
    in this (these) property(ies)
U Reference persons living in housing unit
  or mobile home that is neither public nor
  subsidized and own other real estate
V   000000 .Not applicable
V 3 - 200000 .Total amount

D TM8714   1   159
    Does anyone in this household own a
    car, van, or truck, excluding
    recreational vehicles (rv's) and
    motorcycles
U Reference persons living in housing unit
  or mobile home
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8770

D TM8716   2   160
    How many cars, trucks, or vans are
    owned by members of this household

DATA   SIZE BEGIN

U Reference persons living in housing unit
  or mobile home who own a car, van, or
  truck, excluding recreational vehicles
  and motorcycles
V   00 .Not applicable
V   01 - 99 .Number of motor vehicles

```
*********************************************
*  COMMENT                                   *
*  The next 6 fields (TM8718 through         *
*  TM8766) are related to motor vehicle one* *
*                                            *
*  The next 2 fields are person number(s)    *
*  of the owner(s) of the newest motor       *
*  vehicle                                   *
*                                            *
*  V       000 .Not a legal person number    *
*  V           .or not applicable based      *
*  V           .on response to TM8716        *
*  V   101 - 124 .Person number              *
*  V   180 - 199 .Person number              *
*  V   201 - 224 .Person number              *
*  V   280 - 299 .Person number              *
*  V   301 - 324 .Person number              *
*  V   380 - 399 .Person number              *
*  V   401 - 424 .Person number              *
*  V   480 - 499 .Person number              *
*  V   501 - 524 .Person number              *
*  V   580 - 599 .Person number              *
*  V   601 - 624 .Person number              *
*  V   680 - 699 .Person number              *
*  V   701 - 724 .Person number              *
*  V   780 - 799 .Person number              *
*********************************************
```

D TM8718   3   162
    First person number
U Reference persons living in housing unit or
  mobile home who own a car, van, or truck,
  excluding recreational vehicles and
  motorcycles (Vehicle 1)

D TM8724   3   165
    Second person number
U Reference persons living in housing unit or
  mobile home who own a car, van, or truck,
  excluding recreational vehicles and
  motorcycles (Vehicle 1)

D TM8730   4   168
    What is the year of this vehicle
U Reference persons living in housing unit or
  mobile home who own a car, van, or truck,
  excluding recreational vehicles and
  motorcycles (Vehicle 1)
V   0000 .Not applicable
V 1979-1991 .Year

D TM8754   1   172
    Is this vehicle owned free and clear,
    or is there still money owed on it
U Reference persons living in housing unit or
  mobile home who own a car, van, or truck,
  excluding recreational vehicles and
  motorcycles (Vehicle 1)
V   0 .Not applicable
V   1 .Money owed
V   2 .Free and clear - skip to TM8766

DATA   SIZE BEGIN

D TM8760   6   173
    How much is currently owed for this
    vehicle
U Reference persons living in housing unit or
    mobile home who owe money on a car,
    van, or truck, excluding recreational
    vehicles and motorcycles (Vehicle 1)
V   000000 .Not applicable
V   1-999999 .Total amount

D TM8766   1   179
    Check item T18
    Is there another vehicle which
    has not been asked about
U Reference persons living in housing unit
    or mobile home who owe money on a car,
    van, or truck, excluding recreational
    vehicles and motorcycles (Vehicle 1)
V   0 .Not applicable
V   1 .Yes - skip to TM8720 for
V   .vehicle 2
V   2 .No - skip to TM8770

```
**********************************************
*  COMMENT                                    *
*  The next 6 fields (TM8720 through          *
*  TM8768) are related to motor vehicle       *
*  two.                                       *
*                                             *
*  The next 2 fields are person number(s)     *
*  of owner(s) of the next newest motor       *
*  vehicle                                    *
*  V          000 .Not a legal person number  *
*                 .or not applicable based    *
*                 .on response to TM8716      *
*  V  101 - 124 .Person number                *
*  V  180 - 199 .Person number                *
*  V  201 - 224 .Person number                *
*  V  280 - 299 .Person number                *
*  V  301 - 324 .Person number                *
*  V  380 - 399 .Person number                *
*  V  401 - 424 .Person number                *
*  V  480 - 499 .Person number                *
*  V  501 - 524 .Person number                *
*  V  580 - 599 .Person number                *
*  V  601 - 624 .Person number                *
*  V  680 - 699 .Person number                *
*  V  701 - 724 .Person number                *
*  V  780 - 799 .Person number                *
**********************************************
```

D TM8720   3   180
    First person number
U Reference persons living in housing unit or
    mobile home who own a car, van, or truck,
    excluding recreational vehicles and
    motorcycles (Vehicle 2)

D TM8726   3   183
    Second person number
U Reference persons living in housing unit or
    mobile home who own a car, van, or truck,
    excluding recreational vehicles and
    motorcycles (Vehicle 2)

D TM8732   4   186
    What is the year of this vehicle
U Reference persons living in housing unit or
    or mobile home who own a car, van, or truck,
    excluding recreational vehicles and
    motorcycles (Vehicle 2)

DATA   SIZE BEGIN

V   0000 .Not applicable
V   1979-1991 .Year

D TM8756   1   190
    Is this vehicle owned free and clear,
    or is there still money owed on it
U Reference persons living in housing unit or
    mobile home who own a car, van, or truck,
    excluding recreational vehicles and
    motorcycles (Vehicle 2)
V   0 .Not applicable
V   1 .Money owed
V   2 .Free and clear - skip to TM8768

D TM8762   5   191
    How much is currently owed for
    this vehicle
U Reference persons living in housing unit
    or mobile home who owe money on a car,
    van, or truck, excluding recreational
    vehicles and motorcycles (Vehicle 2)
V   00000 .Not applicable
V   1-20000 .Total amount

D TM8768   1   196
    Is there another vehicle which has
    not been asked about
U Reference persons living in housing unit
    or mobile home who owe money on a car,
    van, or truck, excluding recreational
    vehicles and motorcycles (Vehicle 2)
V   0 .Not applicable
V   1 .Yes - skip to TM8722 for
V   .vehicle 3
V   2 .No - skip to TM8770

```
**********************************************
*  COMMENT                                    *
*  THE next 5 fields (TM8722 through          *
*  TM8764) are related to motor               *
*  vehicle three                              *
*                                             *
*  THE next 2 fields are person number(s)     *
*  of the owner(s) of the third newest        *
*  motor vehicle                              *
*                                             *
*  V          000 .Not a legal person number  *
*  V              .or not applicable based    *
*  V              .on response to TM8716      *
*  V  101 - 124 .Person number                *
*  V  180 - 199 .Person number                *
*  V  201 - 224 .Person number                *
*  V  280 - 299 .Person number                *
*  V  301 - 324 .Person number                *
*  V  380 - 399 .Person number                *
*  V  401 - 424 .Person number                *
*  V  480 - 499 .Person number                *
*  V  501 - 524 .Person number                *
*  V  580 - 599 .Person number                *
*  V  601 - 624 .Person number                *
*  V  680 - 699 .Person number                *
*  V  701 - 724 .Person number                *
*  V  780 - 799 .Person number                *
**********************************************
```

D TM8722   3   197
    First person number
U Reference persons living in housing unit or
    mobile home who own a car, van, or truck,
    excluding recreational vehicles and
    motorcycles (Vehicle 3)

DATA   SIZE BEGIN

D TM8728   3   200
   Second person number
U Reference persons living in housing unit or
  mobile home who own a car, van, or truck,
  excluding recreational vehicles and
  motorcycles (Vehicle 3)

D TM8734   4   203
   What is the year of this vehicle
U Reference persons living in housing unit or
  mobile home who own a car, van, or truck,
  excluding recreational vehicles and
  motorcycles (Vehicle 3)
V   0000 .Not applicable
V 1979-1991 .Year

D TM8758   1   207
   Is this vehicle owned free and clear
   or is there still money owed on it
U Reference persons living in housing unit or
  mobile home who own a car, van, or truck,
  excluding recreational vehicles and
  motorcycles (Vehicle 3)
V   0 .Not applicable
V   1 .Money owed
V   2 .Free and clear - skip to TM8770

D TM8764   5   208
   How much is currently owed for this
   vehicle
U Reference persons living in housing unit
  or mobile home who owe money on a car,
  van, or truck, excluding recreational
  vehicles and motorcycles (Vehicle 3)
V   00000 .Not applicable
V   1-20000 .Total amount

```
*********************************************
*  COMMENT                                   *
*  The next 5 fields (TM8770 through         *
*  TM8778) are possible answers to the       *
*  question:                                 *
*                                            *
*  Does anyone in this household own         *
*  another kind of vehicle, not used for     *
*  any business, such as a boat, motorcycle* *
*  or recreational vehicle                   *
*                                            *
*  In each case the range of answers is:     *
*                                            *
*  V          0 .Not marked as a kind of     *
*               .vehicle or not applicable   *
*  V          1 .Marked as a kind of         *
*               .vehicle                     *
*********************************************
```

D TM8770   1   213
   Motorcycle
U Reference persons living in housing unit or
  mobile home who own a car, van, or truck,
  excluding recreational vehicles and
  motorcycles

D TM8772   1   214
   Boat
U Reference persons living in housing unit or
  mobile home who own a car, van, or truck,
  excluding recreational vehicles and
  motorcycles

D TM8774   1   215
   Recreational vehicle (RV)
U Reference persons living in housing unit or
  mobile home who own a car, van, or truck,
  excluding recreational vehicles and
  motorcycles

D TM8776   1   216
   Other
U Reference persons living in housing unit or
  mobile home who own a car, van, or truck,
  excluding recreational vehicles and
  motorcycles

D TM8778   1   217
   No other vehicle owned - skip to SC4800
U Reference persons living in housing unit or
  mobile home who own a car, van, or truck,
  excluding recreational vehicles and
  motorcycles

```
*********************************************
*  COMMENT                                   *
*  The next 6 fields (TM8780 through         *
*  TM8800) are related to motor vehicle      *
*  one                                       *
*********************************************
```

```
*********************************************
*  COMMENT                                   *
*  The next 2 fields are person number(s)    *
*  for motor vehicle owner(s)                *
*********************************************
```

D TM8780   3   218
   First person number
U Reference persons living in housing unit
  or mobile home who own another kind of
  vehicle, not used for any business, such
  as a motorcycle, boat or RV (Vehicle 1)
V   000 .Not a legal person number or
V   .not applicable based on
V   .response to TM8770 through
V   .TM8778
V 101 - 124 .Person number
V 180 - 199 .Person number
V 201 - 224 .Person number
V 280 - 299 .Person number
V 301 - 324 .Person number
V 380 - 399 .Person number
V 401 - 424 .Person number
V 480 - 499 .Person number
V 501 - 524 .Person number
V 580 - 599 .Person number
V 601 - 624 .Person number
V 680 - 699 .Person number
V 701 - 724 .Person number
V 780 - 799 .Person number

D TM8784   3   221
   Second person number
U Reference persons living in housing unit
  or mobile home who own another kind of
  vehicle, not used for any business, such
  as a motorcycle, boat or RV (Vehicle 1)
V   000 .Not a legal person number or
V   .not applicable based on response
V   .to TM8770 through TM8778
V 101 - 124 .Person number
V 180 - 199 .Person number
V 201 - 224 .Person number
V 280 - 299 .Person number
V 301 - 324 .Person number
V 380 - 399 .Person number

DATA	SIZE	BEGIN

```
V   401 - 424  .Person number
V   480 - 499  .Person number
V   501 - 524  .Person number
V   580 - 599  .Person number
V   601 - 624  .Person number
V   680 - 699  .Person number
V   701 - 724  .Person number
V   780 - 799  .Person number

D TM8788     5     224
         If this vehicle were sold, what would
         it sell for in its present condition
U Reference persons living in housing unit
  or mobile home who own another kind of
  vehicle, not used for any business, such
  as a motorcycle, boat or RV  (Vehicle 1)
V       00000 .Not applicable
V   3 - 20000 .Total amount

D TM8792     1     229
         Is this vehicle owned free and clear
         or is there still money owed on it
U Reference persons living in housing unit
  or mobile home who own another kind of
  vehicle, not used for any business, such
  as a motorcycle, boat or RV  (Vehicle 1)
V           0 .Not applicable
V           1 .Money owed
V           2 .Free and clear - skip to TM8800

D TM8796     5     230
         How much is currently owed for
         this vehicle
U Reference persons living in housing unit
  or mobile home who owe money on another
  kind of vehicle, not used for any
  business, such as a motorcycle, boat or
  RV (Vehicle 1)
V       00000 .Not applicable
V   3 - 25000 .Total amount

D TM8800     1     235
         Check item T18
         Are there any other vehicles which
         have not been asked about
U Reference persons living in housing unit
  or mobile home who owe money on another
  kind of vehicle, not used for any
  business, such as a motorcycle, boat or
  RV
V           0 .Not applicable
V           1 .Yes - skip to TM8782
V           2 .No - skip to SC4800
```

```
*************************************************
*   COMMENT                                      *
*   The next 5 fields (TM8782 through            *
*   TM8798) are related to motor vehicle         *
*   two                                          *
*************************************************
```

```
*************************************************
*   COMMENT                                      *
*   The next 2 fields are person number(s)*
*   for motor vehicle owner(s)                   *
*************************************************
```

```
D TM8782     3     236
         First person number
U Reference persons living in housing unit
  or mobile home who own another kind of
  vehicle, not used for any business, such
  as a motorcycle, boat or RV  (Vehicle 2)
V         000 .Not a legal person number or
```

DATA	SIZE	BEGIN

```
V             .not applicable based on response
V             .to TM8770 through TM8778
V   101 - 124 .Person number
V   180 - 199 .Person number
V   201 - 224 .Person number
V   280 - 299 .Person number
V   301 - 324 .Person number
V   380 - 399 .Person number
V   401 - 424 .Person number
V   480 - 499 .Person number
V   501 - 524 .Person number
V   580 - 599 .Person number
V   601 - 624 .Person number
V   680 - 699 .Person number
V   701 - 724 .Person number
V   780 - 799 .Person number

D TM8786     3     239
         Second person number
U Reference persons living in housing unit
  or mobile home who own another kind of
  vehicle, not used for any business, such
  as a motorcycle, boat or RV  (Vehicle 2)
V         000 .Not a legal person number or
V             .not applicable based on response
V             .to TM8770 through TM8778
V   101 - 124 .Person number
V   180 - 199 .Person number
V   201 - 224 .Person number
V   280 - 299 .Person number
V   301 - 324 .Person number
V   380 - 399 .Person number
V   401 - 424 .Person number
V   480 - 499 .Person number
V   501 - 524 .Person number
V   580 - 599 .Person number
V   601 - 624 .Person number
V   680 - 699 .Person number
V   701 - 724 .Person number
V   780 - 799 .Person number

D TM8790     5     242
         If this vehicle were sold, what would
         it sell for in its present condiction
U Reference persons living in housing unit
  or mobile home who own another kind of
  vehicle, not used for any business, such
  as a motorcycle, boat or RV  (Vehicle 2)
V       00000 .Not applicable
V   3 - 20000 .Total amount

D TM8794     1     247
         Is this vehicle owned free and clear
         or is there still money owed on it
U Reference persons living in housing unit
  or mobile home who own another kind of
  vehicle, not used for any business, such
  as a motorcycle, boat or RV  (Vehicle 2)
V           0 .Not applicable
V           1 .Money owed
V           2 .Free and clear - skip to SC4800

D TM8798     5     248
         How much is currently owed for
         this vehicle
U Reference persons living in housing unit
  or mobile home who own another kind of
  vehicle, not used for any business, such
  as a motorcycle, boat or RV  (Vehicle 2)
V       00000 .Not applicable - skip to SC4800
V   3 - 10000 .Total amount - skip to SC4800
```

```
DATA       SIZE  BEGIN              DATA        SIZE  BEGIN

D TMCARVA1   5   253               D HH-DEBT     9    388
   Present car value(s)               Total debt
   Range = (500:18000)
                                  D HH-TNW     10    397
D TMCARVA2   5   258                  Total net worth
   Present car value(s)               Total wealth minus total unsecured debt
   Range = (500:18000)
                                  D HH-ATS01    1    407
D TMCARVA3   5   263                  Household asset summary
   Present car value(s)               There are 19 fields, defined as follows:
   Range = (500:18000)          V        1 .ISS code 100 - savings accounts
                               V        2 .ISS code 101 - money market
                               V          .accounts
**************************************  V        3 .ISS code 102 - certificates of
* Household recode of assets and     *  V          .deposit
* liabilities                        *  V        4 .ISS code 103 - NOW accounts
**************************************  V        5 .ISS code 104 - money market
                               V          .funds
D HH-MORTG   9   268           V        6 .ISS code 105 - U.S. Government
   Total debt owed on home       V          .securities
   For a mobile home:            V        7 .ISS code 106 - municipal or
   HH-MORTG=TM8624               V          .corporate bonds
   For not a mobile home:        V        8 .ISS code 107 - other interest
   total amount of first mortgage(TM8564) ,  V          .earning assets
   second mortgage(TM8566), and all other    V        9 .ISS code 110 - stocks or mutual
   mortgages or equity loans(TM8596)         V          .funds
                               V       10 .ISS code 120 - rental property
D HH-THEQ   10   277           V       11 .ISS code 130 - mortgages
   Home equity                 V       12 .ISS code 140 - royalties
                               V       13 .ISS code 150 - other financial
D HH-VEHCL  10   287           V          .investments
   Net equity in vehicles      V       14 .Self-employed owns business
                               V       15 .Sale of business or property
D HH-BEQ    10   297           V       16 .Checking accounts w/o interest
   Business equity             V       17 .U. S. Savings bond (E, EE)
                               V       18 .IRA accounts
D HH-INTBK   9   307           V       19 .KEOGH accounts
   Interest earning, assets held in banking  V       20 .Real estate
   institutions

D HH-INTOT   9   316          ****************************************
   Interest earning, assets held in other  * The possible answer fields are:     *
   institutions               * V        0 .Not applicable or no       *
                              * V        1 .Yes                         *
D HH-STK    10   325          ****************************************
   Equity in stocks and mutual fund shares

D HH-ORE    10   335          ****************************************
   Real estate (other than own home)  * COMMENT                              *
   equity in rental properties and other  * Imputation flag for household        *
   real estate                * the possible answers are:            *
                              * V        0 .Not imputed                 *
D HH-OTAST   9   345          * V        1 .Imputed                     *
   Other assets               ****************************************
   Total of mortgages held, money owed for
   sale of business, U.S. savings bonds,  D HH-ATS02    1    408
   checking accounts, and other interest     Household asset summary
   earning assets                 There are 19 fields, defined as follows:
                               V        1 .ISS code 100 - savings accounts
D HH-IRA     6   354           V        2 .ISS code 101 - money market
   IRA and KEOGH accounts      V          .accounts
                               V        3 .ISS code 102 - certificates of
D HH-TWLTH  10   360           V          .deposit
   Total household wealth      V        4 .ISS code 103 - NOW accounts
   Total of HH-THEQ, HH-VEHCL, HH-BEQ,  V        5 .ISS code 104 - money market
   HH-INTBK, HH-INTOT, HH-STK, HH-ORE,  V          .funds
   HH-OTAST, and HH-IRA        V        6 .ISS code 105 - U.S. Government
                               V          .securities
D HH-SCDBT   9   370           V        7 .ISS code 106 - municipal or
   Secured debt                V          .corporate bonds
                               V        8 .ISS code 107 - other interest
D HH-USDBT   9   379           V          .earning assets
   Unsecured debt              V        9 .ISS code 110 - stocks or mutual
                               V          .funds
                               V       10 .ISS code 120 - rental property
                               V       11 .ISS code 130 - mortgages
```

DATA   SIZE BEGIN

V   12 .ISS code 140 - royalties
V   13 .ISS code 150 - other financial
V   .investments
V   14 .Self-employed owns business
V   15 .Sale of business or property
V   16 .Checking accounts w/o interest
V   17 .U. S. Savings bond (E, EE)
V   18 .IRA accounts
V   19 .KEOGH accounts
V   20 .Real estate

```
****************************************
* The possible answer fields are:      *
* V        0 .Not applicable or no      *
* V        1 .Yes                       *
****************************************
```

```
****************************************
* COMMENT                               *
* Imputation flag for household         *
* the possible answers are:             *
* V        0 .Not imputed               *
* V        1 .Imputed                   *
****************************************
```

D HH-ATS03   1   409
       Household asset summary.
       There are 19 fields, defined as follows:
V   1 .ISS code 100 - savings accounts
V   2 .ISS code 101 - money market
V   .accounts
V   3 .ISS code 102 - certificates of
V   .deposit
V   4 .ISS code 103 - NOW accounts
V   5 .ISS code 104 - money market
V   .funds
V   6 .ISS code 105 - U.S. Government
V   .securities
V   7 .ISS code 106 - municipal or
V   .corporate bonds
V   8 .ISS code 107 - other interest
V   .earning assets
V   9 .ISS code 110 - stocks or mutual
V   .funds
V   10 .ISS code 120 - rental property
V   11 .ISS code 130 - mortgages
V   12 .ISS code 140 - royalties
V   13 .ISS code 150 - other financial
V   .investments
V   14 .Self-employed owns business
V   15 .Sale of business or property
V   16 .Checking accounts w/o interest
V   17 .U. S. Savings bond (E, EE)
V   18 .IRA accounts
V   19 .KEOGH accounts
V   20 .Real estate

```
****************************************
* The possible answer fields are:      *
* V        0 .Not applicable or no      *
* V        1 .Yes                       *
****************************************
```

```
****************************************
* COMMENT                               *
* Imputation flag for household         *
* the possible answers are:             *
* V        0 .Not imputed               *
* V        1 .Imputed                   *
****************************************
```

DATA   SIZE BEGIN

D HH-ATS04   1   410
       Household asset summary.
       There are 19 fields, defined as follows:
V   1 .ISS code 100 - savings accounts
V   2 .ISS code 101 - money market
V   .accounts
V   3 .ISS code 102 - certificates of
V   .deposit
V   4 .ISS code 103 - NOW accounts
V   5 .ISS code 104 - money market
V   .funds
V   6 .ISS code 105 - U.S. Government
V   .securities
V   7 .ISS code 106 - municipal or
V   .corporate bonds
V   8 .ISS code 107 - other interest
V   .earning assets
V   9 .ISS code 110 - stocks or mutual
V   .funds
V   10 .ISS code 120 - rental property
V   11 .ISS code 130 - mortgages
V   12 .ISS code 140 - royalties
V   13 .ISS code 150 - other financial
V   .investments
V   14 .Self-employed owns business
V   15 .Sale of business or property
V   16 .Checking accounts w/o interest
V   17 .U. S. Savings bond (E, EE)
V   18 .IRA accounts
V   19 .KEOGH accounts
V   20 .Real estate

```
****************************************
* The possible answer fields are:      *
* V        0 .Not applicable or no      *
* V        1 .Yes                       *
****************************************
```

```
****************************************
* COMMENT                               *
* Imputation flag for household         *
* the possible answers are:             *
* V        0 .Not imputed               *
* V        1 .Imputed                   *
****************************************
```

D HH-ATS05   1   411
       Household asset summary.
       There are 19 fields, defined as follows:
V   1 .ISS code 100 - savings accounts
V   2 .ISS code 101 - money market
V   .accounts
V   3 .ISS code 102 - certificates of
V   .deposit
V   4 .ISS code 103 - NOW accounts
V   5 .ISS code 104 - money market
V   .funds
V   6 .ISS code 105 - U.S. Government
V   .securities
V   7 .ISS code 106 - municipal or
V   .corporate bonds
V   8 .ISS code 107 - other interest
V   .earning assets
V   9 .ISS code 110 - stocks or mutual
V   .funds
V   10 .ISS code 120 - rental property
V   11 .ISS code 130 - mortgages
V   12 .ISS code 140 - royalties
V   13 .ISS code 150 - other financial
V   .investments
V   14 .Self-employed owns business
V   15 .Sale of business or property
V   16 .Checking accounts w/o interest
V   17 .U. S. Savings bond (E, EE)

DATA   SIZE BEGIN   DATA   SIZE BEGIN

V   18 .IRA accounts   V   .funds
V   19 .KEOGH accounts   V   6 .ISS code 105 - U.S. Government
V   20 .Real estate   V   .securities
                                                 V   7 .ISS code 106 - municipal or
                                                 V   .corporate bonds
**   V   8 .ISS code 107 - other interest
* The possible answer fields are: *   V   .earning assets
* V   0 .Not applicable or no   *   V   9 .ISS code 110 - stocks or mutual
* V   1 .Yes   *   V   .funds
**   V   10 .ISS code 120 - rental property
                                                 V   11 .ISS code 130 - mortgages
                                                 V   12 .ISS code 140 - royalties
**   V   13 .ISS code 150 - other financial
* COMMENT   *   V   .investments
* Imputation flag for household   *   V   14 .Self-employed owns business
* the possible answers are: *   V   15 .Sale of business or property
* V   0 .Not imputed   *   V   16 .Checking accounts w/o interest
* V   1 .Imputed   *   V   17 .U. S. Savings bond (E, EE)
**   V   18 .IRA accounts
                                                 V   19 .KEOGH accounts
                                                 V   20 .Real estate
D HH-ATS06   1   412
    Household asset summary.
    There are 19 fields, defined as follows: **
V   1 .ISS code 100 - savings accounts * The possible answer fields are: *
V   2 .ISS code 101 - money market   * V   0 .Not applicable or no   *
V   .accounts   * V   1 .Yes   *
V   3 .ISS code 102 - certificates of **
V   .deposit
V   4 .ISS code 103 - NOW accounts
V   5 .ISS code 104 - money market   **
V   .funds   * COMMENT   *
V   6 .ISS code 105 - U.S. Government   * Imputation flag for household   *
V   .securities   * the possible answers are: *
V   7 .ISS code 106 - municipal or   * V   0 .Not imputed   *
V   .corporate bonds   * V   1 .Imputed   *
V   8 .ISS code 107 - other interest   **
V   .earning assets
V   9 .ISS code 110 - stocks or mutual
V   .funds   D HH-ATS08   1   414
V   10 .ISS code 120 - rental property   Household asset summary.
V   11 .ISS code 130 - mortgages   There are 19 fields, defined as follows:
V   12 .ISS code 140 - royalties   V   1 .ISS code 100 - savings accounts
V   13 .ISS code 150 - other financial V   2 .ISS code 101 - money market
V   .investments   V   .accounts
V   14 .Self-employed owns business   V   3 .ISS code 102 - certificates of
V   15 .Sale of business or property   V   .deposit
V   16 .Checking accounts w/o interest   V   4 .ISS code 103 - NOW accounts
V   17 .U. S. Savings bond (E, EE)   V   5 .ISS code 104 - money market
V   18 .IRA accounts   V   .funds
V   19 .KEOGH accounts   V   6 .ISS code 105 - U.S. Government
V   20 .Real estate   V   .securities
                                                 V   7 .ISS code 106 - municipal or
                                                 V   .corporate bonds
**   V   8 .ISS code 107 - other interest
* The possible answer fields are: *   V   .earning assets
* V   0 .Not applicable or no   *   V   9 .ISS code 110 - stocks or mutual
* V   1 .Yes   *   V   .funds
**   V   10 .ISS code 120 - rental property
                                                 V   11 .ISS code 130 - mortgages
                                                 V   12 .ISS code 140 - royalties
**   V   13 .ISS code 150 - other financial
* COMMENT   *   V   .investments
* Imputation flag for household   *   V   14 .Self-employed owns business
* the possible answers are: *   V   15 .Sale of business or property
* V   0 .Not imputed   *   V   16 .Checking accounts w/o interest
* V   1 .Imputed   *   V   17 .U. S. Savings bond (E, EE)
**   V   18 .IRA accounts
                                                 V   19 .KEOGH accounts
                                                 V   20 .Real estate
D HH-ATS07   1   413
    Household asset summary.
    There are 19 fields, defined as follows: **
V   1 .ISS code 100 - savings accounts * The possible answer fields are: *
V   2 .ISS code 101 - money market   * V   0 .Not applicable or no   *
V   .accounts   * V   1 .Yes   *
V   3 .ISS code 102 - certificates of **
V   .deposit
V   4 .ISS code 103 - NOW accounts
V   5 .ISS code 104 - money market

DATA   SIZE   BEGIN   DATA   SIZE   BEGIN

```
**************************************          V        9 .ISS code 110 - stocks or mutual
*  COMMENT                            *          V          .funds
*  Imputation flag for household      *          V       10 .ISS code 120 - rental property
*  the possible answers are:          *          V       11 .ISS code 130 - mortgages
*  V        0 .Not imputed            *          V       12 .ISS code 140 - royalties
*  V        1 .Imputed               *          V       13 .ISS code 150 - other financial
**************************************          V          .investments
                                                 V       14 .Self-employed owns business
D HH-ATS09   1   415                             V       15 .Sale of business or property
    Household asset summary                      V       16 .Checking accounts w/o interest
    There are 19 fields, defined as follows:     V       17 .U. S. Savings bond (E, EE)
V        1 .ISS code 100 - savings accounts      V       18 .IRA accounts
V        2 .ISS code 101 - money market          V       19 .KEOGH accounts
V          .accounts                             V       20 .Real estate
V        3 .ISS code 102 - certificates of
V          .deposit                              **************************************
V        4 .ISS code 103 - NOW accounts          *  The possible answer fields are:    *
V        5 .ISS code 104 - money market          *  V        0 .Not applicable or no    *
V          .funds                                *  V        1 .Yes                      *
V        6 .ISS code 105 - U.S. Government        **************************************
V          .securities
V        7 .ISS code 106 - municipal or          **************************************
V          .corporate bonds                      *  COMMENT                             *
V        8 .ISS code 107 - other interest        *  Imputation flag for household       *
V          .earning assets                       *  the possible answers are:           *
V        9 .ISS code 110 - stocks or mutual      *  V        0 .Not imputed              *
V          .funds                                *  V        1 .Imputed                  *
V       10 .ISS code 120 - rental property       **************************************
V       11 .ISS code 130 - mortgages
V       12 .ISS code 140 - royalties             D HH-ATS11   1   417
V       13 .ISS code 150 - other financial           Household asset summary.
V          .investments                              There are 19 fields, defined as follows:
V       14 .Self-employed owns business          V        1 .ISS code 100 - savings accounts
V       15 .Sale of business or property         V        2 .ISS code 101 - money market
V       16 .Checking accounts w/o interest       V          .accounts
V       17 .U. S. Savings bond (E, EE)           V        3 .ISS code 102 - certificates of
V       18 .IRA accounts                         V          .deposit
V       19 .KEOGH accounts                       V        4 .ISS code 103 - NOW accounts
V       20 .Real estate                          V        5 .ISS code 104 - money market
                                                 V          .funds
**************************************          V        6 .ISS code 105 - U.S. Government
*  The possible answer fields are:    *          V          .securities
*  V        0 .Not applicable or no    *          V        7 .ISS code 106 - municipal or
*  V        1 .Yes                     *          V          .corporate bonds
**************************************          V        8 .ISS code 107 - other interest
                                                 V          .earning assets
**************************************          V        9 .ISS code 110 - stocks or mutual
*  COMMENT                            *          V          .funds
*  Imputation flag for household      *          V       10 .ISS code 120 - rental property
*  The possible answers are:          *          V       11 .ISS code 130 - mortgages
*  V        0 .Not imputed            *          V       12 .ISS code 140 - royalties
*  V        1 .Imputed                *          V       13 .ISS code 150 - other financial
**************************************          V          .investments
                                                 V       14 .Self-employed owns business
D HH-ATS10   1   416                             V       15 .Sale of business or property
    Household asset summary                      V       16 .Checking accounts w/o interest
    There are 19 fields, defined as follows:     V       17 .U. S. Savings bond (E, EE)
V        1 .ISS code 100 - savings accounts      V       18 .IRA accounts
V        2 .ISS code 101 - money market          V       19 .KEOGH accounts
V          .accounts                             V       20 .Real estate
V        3 .ISS code 102 - certificates of
V          .deposit                              **************************************
V        4 .ISS code 103 - NOW accounts          *  The possible answer fields are:    *
V        5 .ISS code 104 - money market          *  V        0 .Not applicable or no    *
V          .funds                                *  V        1 .Yes                      *
V        6 .ISS code 105 - U.S. Government        **************************************
V          .securities
V        7 .ISS code 106 - municipal or          **************************************
V          .corporate bonds                      *  COMMENT                             *
V        8 .ISS code 107 - other interest        *  Imputation flag for household       *
V          .earning assets                       *  the possible answers are:           *
                                                 *  V        0 .Not imputed              *
                                                 *  V        1 .Imputed                  *
                                                 **************************************
```

DATA   SIZE BEGIN

D HH-ATS12   1   418
    Household asset summary.
    There are 19 fields, defined as follows:
V   1 .ISS code 100 - savings accounts
V   2 .ISS code 101 - money market
V   .accounts
V   3 .ISS code 102 - certificates of
V   .deposit
V   4 .ISS code 103 - NOW accounts
V   5 .ISS code 104 - money market
V   .funds
V   6 .ISS code 105 - U.S. Government
V   .securities
V   7 .ISS code 106 - municipal or
V   .corporate bonds
V   8 .ISS code 107 - other interest
V   .earning assets
V   9 .ISS code 110 - stocks or mutual
V   .funds
V   10 .ISS code 120 - rental property
V   11 .ISS code 130 - mortgages
V   12 .ISS code 140 - royalties
V   13 .ISS code 150 - other financial
V   .investments
V   14 .Self-employed owns business
V   15 .Sale of business or property
V   16 .Checking accounts w/o interest
V   17 .U. S. Savings bond (E, EE)
V   18 .IRA accounts
V   19 .KEOGH accounts
V   20 .Real estate

```
*************************************************
* The possible answer fields are:           *
* V         0 .Not applicable or no          *
* V         1 .Yes                           *
*************************************************
```

```
*************************************************
* COMMENT                                    *
* Imputation flag for household              *
* The possible answers are:                  *
* V         0 .Not imputed                   *
* V         1 .Imputed                       *
*************************************************
```

D HH-ATS13   1   419
    Household asset summary
    There are 19 fields, defined as follows:
V   1 .ISS code 100 - savings accounts
V   2 .ISS code 101 - money market
V   .accounts
V   3 .ISS code 102 - certificates of
V   .deposit
V   4 .ISS code 103 - NOW accounts
V   5 .ISS code 104 - money market
V   .funds
V   6 .ISS code 105 - U.S. Government
V   .securities
V   7 .ISS code 106 - municipal or
V   .corporate bonds
V   8 .ISS code 107 - other interest
V   .earning assets
V   9 .ISS code 110 - stocks or mutual
V   .funds
V   10 .ISS code 120 - rental property
V   11 .ISS code 130 - mortgages
V   12 .ISS code 140 - royalties
V   13 .ISS code 150 - other financial
V   .investments
V   14 .Self-employed owns business
V   15 .Sale of business or property
V   16 .Checking accounts w/o interest

DATA   SIZE BEGIN

V   17 .U. S. Savings bond (E, EE)
V   18 .IRA accounts
V   19 .KEOGH accounts
V   20 .Real estate

```
*************************************************
* The possible answer fields are:           *
* V         0 .Not applicable or no          *
* V         1 .Yes                           *
*************************************************
```

```
*************************************************
* COMMENT                                    *
* Imputation flag for household              *
* the possible answers are:                  *
* V         0 .Not imputed                   *
* V         1 .Imputed                       *
*************************************************
```

D HH-ATS14   1   420
    Household asset summary
    There are 19 fields, defined as follows:
V   1 .ISS code 100 - savings accounts
V   2 .ISS code 101 - money market
V   .accounts
V   3 .ISS code 102 - certificates of
V   .deposit
V   4 .ISS code 103 - NOW accounts
V   5 .ISS code 104 - money market
V   .funds
V   6 .ISS code 105 - U.S. Government
V   .securities
V   7 .ISS code 106 - municipal or
V   .corporate bonds
V   8 .ISS code 107 - other interest
V   .earning assets
V   9 .ISS code 110 - stocks or mutual
V   .funds
V   10 .ISS code 120 - rental property
V   11 .ISS code 130 - mortgages
V   12 .ISS code 140 - royalties
V   13 .ISS code 150 - other financial
V   .investments
V   14 .Self-employed owns business
V   15 .Sale of business or property
V   16 .Checking accounts w/o interest
V   17 .U. S. Savings bond (E, EE)
V   18 .IRA accounts
V   19 .KEOGH accounts
V   20 .Real estate

```
*************************************************
* The possible answer fields are:           *
* V         0 .Not applicable or no          *
* V         1 .Yes                           *
*************************************************
```

```
*************************************************
* COMMENT                                    *
* Imputation flag for household              *
* the possible answers are:                  *
* V         0 .Not imputed                   *
* V         1 .Imputed                       *
*************************************************
```

D HH-ATS15   1   421
    Household asset summary.
    There are 19 fields, defined as follows:
V   1 .ISS code 100 - savings accounts
V   2 .ISS code 101 - money market
V   .accounts
V   3 .ISS code 102 - certificates of
V   .deposit
V   4 .ISS code 103 - NOW accounts

DATA	SIZE	BEGIN

V   5 .ISS code 104 - money market
V   .funds
V   6 .ISS code 105 - U.S. Government
V   .securities
V   7 .ISS code 106 - municipal or
V   .corporate bonds
V   8 .ISS code 107 - other interest
V   .earning assets
V   9 .ISS code 110 - stocks or mutual
V   .funds
V   10 .ISS code 120 - rental property
V   11 .ISS code 130 - mortgages
V   12 .ISS code 140 - royalties
V   13 .ISS code 150 - other financial
V   .investments
V   14 .Self-employed owns business
V   15 .Sale of business or property
V   16 .Checking accounts w/o interest
V   17 .U. S. Savings bond (E, EE)
V   18 .IRA accounts
V   19 .KEOGH accounts
V   20 .Real estate

```
**********************************************
*  The possible answer fields are:           *
*  V          0 .Not applicable or no         *
*  V          1 .Yes                          *
**********************************************
```

```
**********************************************
*  COMMENT                                    *
*  Imputation flag for household              *
*  the possible answers are:                  *
*  V          0 .Not imputed                  *
*  V          1 .Imputed                      *
**********************************************
```

D HH-ATS16 1   422
    Household asset summary.
    There are 19 fields, defined as follows:
V   1 .ISS code 100 - savings accounts
V   2 .ISS code 101 - money market
V   .accounts
V   3 .ISS code 102 - certificates of
V   .deposit
V   4 .ISS code 103 - NOW accounts
V   5 .ISS code 104 - money market
V   .funds
V   6 .ISS code 105 - U.S. Government
V   .securities
V   7 .ISS code 106 - municipal or
V   .corporate bonds
V   8 .ISS code 107 - other interest
V   .earning assets
V   9 .ISS code 110 - stocks or mutual
V   .funds
V   10 .ISS code 120 - rental property
V   11 .ISS code 130 - mortgages
V   12 .ISS code 140 - royalties
V   13 .ISS code 150 - other financial
V   .investments
V   14 .Self-employed owns business
V   15 .Sale of business or property
V   16 .Checking accounts w/o interest
V   17 .U. S. Savings bond (E, EE)
V   18 .IRA accounts
V   19 .KEOGH accounts
V   20 .Real estate

```
**********************************************
*  The possible answer fields are:           *
*  V          0 .Not applicable or no         *
*  V          1 .Yes                          *
**********************************************
```

```
**********************************************
*  COMMENT                                    *
*  Imputation flag for household              *
*  the possible answers are:                  *
*  V          0 .Not imputed                  *
*  V          1 .Imputed                      *
**********************************************
```

D HH-ATS17 1   423
    Household asset summary
    There are 19 fields, defined as follows:
V   1 .ISS code 100 - savings accounts
V   2 .ISS code 101 - money market
V   .accounts
V   3 .ISS code 102 - certificates of
V   .deposit
V   4 .ISS code 103 - NOW accounts
V   5 .ISS code 104 - money market
V   .funds
V   6 .ISS code 105 - U.S. Government
V   .securities
V   7 .ISS code 106 - municipal or
V   .corporate bonds
V   8 .ISS code 107 - other interest
V   .earning assets
V   9 .ISS code 110 - stocks or mutual
V   .funds
V   10 .ISS code 120 - rental property
V   11 .ISS code 130 - mortgages
V   12 .ISS code 140 - royalties
V   13 .ISS code 150 - other financial
V   .investments
V   14 .Self-employed owns business
V   15 .Sale of business or property
V   16 .Checking accounts w/o interest
V   17 .U. S. Savings bond (E, EE)
V   18 .IRA accounts
V   19 .KEOGH accounts
V   20 .Real estate

```
**********************************************
*  The possible answer fields are:           *
*  V          0 .Not applicable or no         *
*  V          1 .Yes                          *
**********************************************
```

```
**********************************************
*  COMMENT                                    *
*  Imputation flag for household              *
*  the possible answers are:                  *
*  V          0 .Not imputed                  *
*  V          1 .Imputed                      *
**********************************************
```

D HH-ATS18 1   424
    Household asset summary.
    There are 19 fields, defined as follows:
V   1 .ISS code 100 - savings accounts
V   2 .ISS code 101 - money market
V   .accounts
V   3 .ISS code 102 - certificates of
V   .deposit
V   4 .ISS code 103 - NOW accounts
V   5 .ISS code 104 - money market
V   .funds
V   6 .ISS code 105 - U.S. Government
V   .securities
V   7 .ISS code 106 - municipal or
V   .corporate bonds
V   8 .ISS code 107 - other interest
V   .earning assets
V   9 .ISS code 110 - stocks or mutual
V   .funds

DATA	SIZE	BEGIN

V   10 .ISS code 120 - rental property
V   11 .ISS code 130 - mortgages
V   12 .ISS code 140 - royalties
V   13 .ISS code 150 - other financial
        .investments
V   14 .Self-employed owns business
V   15 .Sale of business or property
V   16 .Checking accounts w/o interest
V   17 .U. S. Savings bond (E, EE)
V   18 .IRA accounts
V   19 .KEOGH accounts
V   20 .Real estate

```
*********************************************
* The possible answer fields are:          *
* V          0 .Not applicable or no        *
* V          1 .Yes                         *
*********************************************
```

```
*********************************************
* COMMENT                                   *
* Imputation flag for household             *
* the possible answers are:                 *
* V          0 .Not imputed                 *
* V          1 .Imputed                     *
*********************************************
```

D HH-ATS19   1   425
      Household asset summary
      There are 19 fields, defined as follows:
V   1 .ISS code 100 - savings accounts
V   2 .ISS code 101 - money market
V   .accounts
V   3 .ISS code 102 - certificates of
V   .deposit
V   4 .ISS code 103 - NOW accounts
V   5 .ISS code 104 - money market
V   .funds
V   6 .ISS code 105 - U.S. Government
V   .securities
V   7 .ISS code 106 - municipal or
V   .corporate bonds
V   8 .ISS code 107 - other interest
V   .earning assets
V   9 .ISS code 110 - stocks or mutual
V   .funds
V   10 .ISS code 120 - rental property
V   11 .ISS code 130 - mortgages
V   12 .ISS code 140 - royalties
V   13 .ISS code 150 - other financial
V   .investments
V   14 .Self-employed owns business
V   15 .Sale of business or property
V   16 .Checking accounts w/o interest
V   17 .U. S. Savings bond (E, EE)
V   18 .IRA accounts
V   19 .KEOGH accounts
V   20 .Real estate

```
*********************************************
* The possible answer fields are:          *
* V          0 .Not applicable or no        *
* V          1 .Yes                         *
*********************************************
```

```
*********************************************
* COMMENT                                   *
* Imputation flag for household             *
* the possible answers are:                 *
* V          0 .Not imputed                 *
* V          1 .Imputed                     *
*********************************************
```

DATA	SIZE	BEGIN

D HH-ATS20   1   426
      Household asset summary
      There are 19 fields, defined as follows:
V   1 .ISS code 100 - savings accounts
V   2 .ISS code 101 - money market
V   .accounts
V   3 .ISS code 102 - certificates of
V   .deposit
V   4 .ISS code 103 - NOW accounts
V   5 .ISS code 104 - money market
V   .funds
V   6 .ISS code 105 - U.S. Government
V   .securities
V   7 .ISS code 106 - municipal or
V   .corporate bonds
V   8 .ISS code 107 - other interest
V   .earning assets
V   9 .ISS code 110 - stocks or mutual
V   .funds
V   10 .ISS code 120 - rental property
V   11 .ISS code 130 - mortgages
V   12 .ISS code 140 - royalties
V   13 .ISS code 150 - other financial
V   .investments
V   14 .Self-employed owns business
V   15 .Sale of business or property
V   16 .Checking accounts w/o interest
V   17 .U. S. Savings bond (E, EE)
V   18 .IRA accounts
V   19 .KEOGH accounts
V   20 .Real estate

```
*********************************************
* The possible answer fields are:          *
* V          0 .Not applicable or no        *
* V          1 .Yes                         *
*********************************************
```

```
*********************************************
* COMMENT                                   *
* Imputation flag for household             *
* the possible answers are:                 *
* V          0 .Not imputed                 *
* V          1 .Imputed                     *
*********************************************
```

D TM-IP147   1   427
      Topical modules imputation flag #147
      Imputation of 'TM8538'

D TM-IP148   1   428
      Topical modules imputation flag #148
      Imputation of 'TM8539'

D TM-IP149   1   429
      Topical modules imputation flag #149
      Imputation of 'TM8540&TM8542'
V   0 .Not imputed
V   1 .Imputed TM8540
V   2 .Imputed TM8542
V   3 .Imputed TM8540 and TM8542

```
*********************************************
* COMMENT                                   *
* The next two flags are for the current    *
* annual interest rate on 1st and 2nd       *
* mortgages, respectively.                  *
*********************************************
```

D TM-IP150   1   430
      Topical modules imputation flag #150
      Imputation of 'TM8580'

DATA   SIZE BEGIN

D TM-IP151   1   431
   Topical modules imputation flag #151
   Imputation of 'TM8582'

D TM-IP152   1   432
   Topical modules imputation flag #152
   Imputation of 'TM8568'

D TM-IP153   1   433
   Topical modules imputation flag #153
   Imputation of 'TM8569'

D TM-IP154   1   434
   Topical modules imputation flag #154
   Imputation of 'TM8570'

D TM-IP155   1   435
   Topical modules imputation flag #155
   Imputation of 'TM8571'

D TM-IP156   1   436
   Topical modules imputation flag #156
   Imputation of 'TM8572'

D TM-IP157   1   437
   Topical modules imputation flag #157
   Imputation of 'TM8574'

D TM-IP159   1   438
   Topical modules imputation flag #159
   Imputation of 'TM8584'

D TM-IP160   1   439
   Topical modules imputation flag #160
   Imputation of 'TM8586'

D TM-IP161   1   440
   Topical modules imputation flag #161
   Imputation of 'TM8587'

D TM-IP162   1   441
   Topical modules imputation flag #162
   Imputation of 'TM8589'

D TM-IP163   1   442
   Topical modules imputation flag #163
   Imputation of 'TM8596'

D TM-IP164   1   443
   Topical modules imputation flag #164
   Imputation of 'TM8598'

D TM-IP165   1   444
   Topical modules imputation flag #165
   Imputation of 'TM8610'

D TM-IP166   1   445
   Topical modules imputation flag #166
   Imputation of 'TM8612'

D TM-IP167   1   446
   Topical modules imputation flag #167
   Imputation of 'TM8624'

D TM-IP168   1   447
   Topical modules imputation flag #168
   Imputation of 'TM8630'

D TM-IP169   1   448
   Topical modules imputation flag #169
   Imputation of 'TM8660'

DATA   SIZE BEGIN

D TM-IP170   1   449
   Topical modules imputation flag #170
   Imputation of 'TM8666'

D TM-IP171   1   450
   Topical modules imputation flag #171
   Imputation of 'TM8714'

D TM-IP172   1   451
   Topical modules imputation flag #172
   Imputation of 'TM8716'

D TM-IP173   1   452
   Topical modules imputation flag #173
   Imputation of 'TM8730'

D TM-IP174   1   453
   Topical modules imputation flag #174
   Imputation of 'TM8732'

D TM-IP175   1   454
   Topical modules imputation flag #175
   Imputation of 'TM8734'

D TM-IP176   1   455
   Topical modules imputation flag #176
   Imputation of 'TM8754'

D TM-IP177   1   456
   Topical modules imputation flag #177
   Imputation of 'TM8756'

D TM-IP178   1   457
   Topical modules imputation flag #178
   Imputation of 'TM8758'

D TM-IP179   1   458
   Topical modules imputation flag #179
   Imputation of 'TM8760'

D TM-IP180   1   459
   Topical modules imputation flag #180
   Imputation of 'TM8762'

D TM-IP181   1   460
   Topical modules imputation flag #181
   Imputation of 'TM8764'

D TM-IP182   1   461
   Topical modules imputation flag #182
   Imputation of 'TM8770 through TM8778'

D TM-IP183   1   462
   Topical modules imputation flag #183
   Imputation of 'TM8788'

D TM-IP184   1   463
   Topical modules imputation flag #184
   Imputation of 'TM8790'

D TM-IP185   1   464
   Topical modules imputation flag #185
   Imputation of 'TM8792'

D TM-IP186   1   465
   Topical modules imputation flag #186
   Imputation of 'TM8794'

D TM-IP187   1   466
   Topical modules imputation flag #187
   Imputation of 'TM8796'

DATA   SIZE BEGIN

D TM-IP188   1   467
     Topical modules imputation flag #188
     Imputation of 'TM8798'


```
********************************************
*  COMMENT                                 *
*   Calculation flag for topical modules   *
*   household record                       *
*   The possible answers are :             *
*                                          *
*          0 .Not calculated               *
*          1 .Calculated                   *
********************************************
```

D TM-CAL11   1   468
     Topical modules calculation flag #11
     Calcuation of 'TM8532'

D TM-CAL14   1   469
     Topical modules calculation flag #14
     Calculation of 'TM8564'

D TM-CAL15   1   470
     Topical modules calculation flag #15
     Calculation of 'TM8566'

D TM-CAL16   1   471
     Topical modules calculation flag #16
     Calculation of 'TM8580'

D TM-CAL17   1   472
     Topical modules calculation flag #17
     Calculation of 'TM8582'

D TM-CAL18   1   473
     Topical modules calculation flag #18
     Calculation of 'TM8662'

D TM-CAL19   1   474
     Topical modules calculation flag #19
     Calculation of 'TM8664'

D TM-CAL20   1   475
     Topical modules calculation flag #20
     Calculation of 'TM8716'

D TM-CAL21   1   476
     Topical modules calculation flag #21
     Calculation of 'TM8718'

D TM-CAL22   1   477
     Topical modules calculation flag #22
     Calculation of 'TM8720'

D TM-CAL23   1   478
     Topical modules calculation flag #23
     Calculation of 'TM8722'

D TM-CAL24   1   479
     Topical modules calculation flag #24
     Calculation of 'TM8724'

D TM-CAL25   1   480
     Topical modules calculation flag #25
     Calculation of 'TM8726'

D TM-CAL26   1   481
     Topical modules calculation flag #26
     Calculation of 'TM8728'

DATA   SIZE BEGIN

D TM-CAL27   1   482
     Topical modules calculation flag #27
     Calculation of 'TM8748'

D TM-CAL28   1   483
     Topical modules calculation flag #28
     Calculation of 'TM8750'

D TM-CAL29   1   484
     Topical modules calculation flag #29
     Calculation of 'TM8752'

D TM-CAL33   1   485
     Topical modules calculation flag #33
     Calculation of 'TM8780'

D TM-CAL34   1   486
     Topical modules calculation flag #34
     Calculation of 'TM8782'

D TM-CAL35   1   487
     Topical modules calculation flag #35
     Calculation of 'TM8784'

D TM-CAL36   1   488
     Topical modules calculation flag #36
     Calculation of 'TM8786'

D FILLER   8   489
     Filler


```
********************************************
*  Self-employment identification number  *
*  one                                     *
********************************************
```

D TM8000   1   497
     Was...self-employed in this business
     as of (last day of the reference
     period)
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to SC2262

D TM8002   1   498
     Check item S7
     Is SC2222(1) equal 1
     Is sole proprietorship
U All persons self-employed on last day
  of reference period
V   0 .Not applicable
V   1 .Yes - skip to TM8006
V   2 .No

D TM8004   3   499
     As of (last day of reference period)
     what percent of this business did...
     own
U All persons self-employed on last day
  of reference period in business
  other than sole proprietorship
V   000 .Not applicable
V 001 - 100 .Total percent

DATA   SIZE BEGIN

D TM8006   1   502
    Check item S8
    Has the information in TM8008,TM8010,
    TM8012,and TM8014 already been
    obtained from another household
    member
U All persons self-employed on last day
  of reference period in business
  other than sole proprietorship
V   0 .Not applicable
V   1 .Yes - skip to SC2262
V   2 .No

D TM8008   6   503
    As of (last day of reference period)
    what was the total value of this
    business before figuring in any
    debts that might be owed against it
U All persons self-employed on last day
  of reference period in business
  other than sole proprietorship
V   000000 .Not applicable
V 4 - 700000 .Total amount - skip to
V   .TM8012
V   -00003 .None - skip to TM8012

D TM8012   6   509
    As of (last day of reference period)
    what was the total debt owed against
    this business
U All persons self-employed on last day
  of reference period in business
  other than sole proprietorship
V   000000 .Not applicable
V 4 - 400000 .Total amount - skip to
V   .SC2262
V   -00003 .None - skip to SC2262

```
**************************************************
*  Self-employment identification number *
*  two                                           *
**************************************************
```

D TM8016   1   515
    Was...self-employed in this business
    as of (last day of the reference
    period)
U Persons self-employed in second
  business during the reference period
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8200

D TM8018   1   516
    Check item S15
    Is SC2222(2) equal 1
    Is sole proprietorship
U Persons self-employed in second
  business on last day of reference
  period
V   0 .Not applicable
V   1 .Yes - skip to TM8022
V   2 .No

D TM8020   3   517
    As of (last day of reference period)
    what percent of this business did...
    own
U Persons self-employed in second
  business on last day of reference
  period that is business other than
  sole proprietorship
V   000 .Not applicable
V 001 - 100 .Total percent

DATA   SIZE BEGIN

D TM8022   1   520
    Check item S16
    Has the information in TM8024,TM8026,
    TM8028, and TM8030 already been
    obtained from another household member
U Persons self-employed in second
  business other than sole proprietorship
  on last day of reference period
V   0 .Not applicable
V   1 .Yes - skip to TM8200
V   2 .No

D TM8024   2   521
    As of (last day of reference period)
    what was the total value of this
    business before figuring in any
    debts that might be owed against it
U Persons self-employed in second
  business other than sole proprietorship
  on last day of reference period
V   00 .Not applicable
V   01 .Value combined with TM8008
V   -3 .None - skip to TM8028

D TM8028   2   523
    As of (last day of reference period)
    what is the total debt owed against
    this business
U Persons self-employed in second
  business on last day of reference
  period that is business other than
  sole proprietorship
V   00 .Not applicable
V   01 .Value combined with TM8012
V   -3 .None - skip to TM8200

```
**************************************************
*   Imputation flag for self-employment   *
*      the possible answers are:           *
*   V          0 .Not imputed              *
*   V          1 .Imputed                  *
**************************************************
```

D TM-IP001   1   525
    Topical modules imputation flag #1
    Imputation of 'TM8000'

D TM-IP002   1   526
    Topical modules imputation flag #2
    Imputation of 'TM8004'

D TM-IP003   1   527
    Topical modules imputation flag #3
    Imputation of 'TM8008'

D TM-IP004   1   528
    Topical modules imputation flag #4
    Imputation of 'TM8012'

D TM-IP005   1   529
    Topical modules imputation flag #5
    Imputation of 'TM8016'

D TM-IP006   1   530
    Topical modules imputation flag #6
    Imputation of 'TM8020'

D TM-IP007   1   531
    Topical modules imputation flag #7
    Imputation of 'TM8024'

DATA   SIZE BEGIN

D TM-IP008   1   532
    Topical modules imputation flag #8
    Imputation of 'TM8028'

D FILLER   8   533
    Filler

D SC4314   6   541
    What is your best estimate of the
    average amount that ... and ...'s
    (husband/wife) had in these jointly
    held assets during the 4-month
    period ?
U Persons owning savings accounts, money
  market, certificates of deposit, and
  interest-earning checking accounts with
  spouse during the four month period
V   -00003 .None
V   000000 .Not in universe
V 1 -110000 .Total amount - skip to
V   .SC4318

D SC4322   5   547
    What is your best estimate of the
    average amount that ... had in
    ...'s assets during the 4-month
    period ?
U Persons owning savings accounts, money
  market, certificates of deposit, and
  interest-earning checking accounts with
  spouse during the four month period
V   -0003 .None
V   00000 .Not in universe
V 1 - 80000 .Total amount - skip to
V   .next ISS code or SC4800

D SC4414   6   552
    What is your best estimate of the
    average amount that ... and ...'s
    (husband/wife) had in these jointly
    held assets during the 4-month
    period ?
U Persons owning other interest-earning
  assets with spouse during the four
  month period
V   -00003 .None
V   000000 .Not in universe
V 1-200000 .Total amount - skip to
V   .SC4418

D SC4422   6   558
    What is your best estimate of the
    average amount that ... had in
    ...'s assets during the 4-month
    period ?
U Persons owning other interest-earning
  assets with spouse during the four
  month period
V   -00003 .None
V   000000 .Not in universe
V 1-175000 .Total amount - skip to
V   .next ISS code or SC4800

```
*****************************************************
*                                                   *
*        Stocks and Mutual Fund Shares              *
*                                                   *
*****************************************************
```

DATA   SIZE BEGIN

D TM8032   1   564
    Check Item A15
    Interview status of...'s spouse
U Persons with stocks and mutual fund shares
V   0 .Not applicable
V   1 .No spouse in household
V   .- skip to TM8044
V   2 .Interview for spouse not yet
V   .conducted
V   3 .Interview for spouse already
V   .conducted - skip to TM8042

D TM8034   9   565
    As of (last day of reference period)
    what was the market value of the
    stocks or mutual funds held jointly
    by...and...'s (husband/wife)
    (exclude stock in own corporation
    if value of that corporation was
    already obtained)
U Persons with stocks and mutual fund shares
  who have spouse in household
V 000000000 .Not applicable
V 999999999 .Total amount - skip to
V   .TM8038 - Range = 4:999999999
V -00000003 .None - skip to TM8042

D TM8038   1   574
    Was any debt or margin account held
    against these jointly held stocks or
    mutual funds as of...
    (last day of reference period)
U Persons with stocks and mutual fund shares
  who have spouse in household
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8042

D TM8040   6   575
    As of(last day of reference period)
    what was the amount of the debt or
    margin account
U Persons with debt or margin account held
  against jointly held stocks or mutual
  funds as of last day of reference period
V   000000 .Not applicable
V 1-999999 .Total amount

D TM8042   1   581
    Besides the stocks or mutual fund
    shares held jointly with...'s
    (husband/wife), did...hold any
    other stocks or mutual fund shares
U Persons with debt or margin account held
  against jointly held stocks or mutual
  funds as of last day of reference period
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to next ISS code or
V   .TM8200

D TM8044   9   582
    As of (last day of reference period)
    what was the market value of the
    stocks or mutual funds...held in
    (his/her) own name
    (exclude stock in own corporation
    if value of that corporation
    was already obtained)
U Persons with stocks or mutual funds
  in own name
V 000000000 .Not applicable
V 999999999 .Total amount - skip to
V   .TM8048 - Range = 3:999999999

DATA   SIZE   BEGIN

D TM8048   1   591
     Was any debt or margin account held
     against...'s stocks or mutual funds
     as of (last day of reference period)
U Persons with stocks or mutual funds in
  own name
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to next ISS code or
V   .TM8200

D TM8050   6   592
     As of (last day of reference period)
     what was the amount of the debt or
     margin account
U Persons with stocks or mutual funds in
  own name with debt or margin account held
  as of last day of reference period
V   000000 .Not applicable
V   1-999999 .Total amount - skip to
V   .next ISS code or TM8200

****
* Rental Income   *
****

D TM8052   1   598
     As of (last day of reference period)
     did ... own any rental property jointly
     with ...'s (husband/wife) (include
     only property owned entirely by ...
     and ...'s(husband/wife)
U Persons who own rental property
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to SC4610

D TM8054   2   599
     How many properties did...own
     jointly with...'s (husband/wife)
     as of (last day of reference period)
U Persons who own joint rental property
  on last day of reference period
V   00 .Not applicable
V   01 - 99 .Number properties
V   -3 .None - skip to SC4610

****
* COMMENT   *
* The next 6 fields (TM8056 through   *
* TM8066) are possible answers to the   *
* question: *
*   *
* What type of property(ies) (was it/   *
* were they)   *
*   *
* In each case the range of answers is: *
*   *
* V   0 .Not marked as a kind of   *
*   .property or not   *
*   .applicable based on   *
*   .response to TM8054   *
* V   1 .Marked as a kind of   *
*   .property   *
****

D TM8056   1   601
     Vacation home
U Persons who own joint rental property
  on last day of reference period

D TM8058   1   602
     Other residential property
U Persons who own joint rental property
  on last day of reference period

D TM8060   1   603
     Farm property
U Persons who own joint rental property
  on last day of reference period

D TM8062   1   604
     Commercial property
U Persons who own joint rental property
  on last day of reference period

D TM8064   1   605
     Equipment
U Persons who own joint rental property
  on last day of reference period

D TM8066   1   606
     Other
U Persons who own joint rental property
  on last day of reference period

D TM8067   1   607
     Were any of these properties attached to
     or located on the same land as ...'s own
     residence
U Persons who own joint rental property
  on last day of reference period
V   0 .Not applicable
V   1 .Yes - all rental properties on
V   .residence - skip to SC4610
V   2 .Yes - some rental properties on
V   .residence
V   3 .No

D TM8068   6   608
     As of (last day of reference period)
     what was the total market value of
     the property(ies)
U Persons who own joint rental property
  on last day of reference period
V   000000 .Not applicable
V   3-500000 .Total amount - skip to
V   .TM8072

D TM8072   1   614
     Was there a mortgage, deed of trust,
     or other debt on the property(ies)
U Persons who own joint rental property
  on last day of reference period
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to SC4610

D TM8074   6   615
     As of(last day of reference period)
     how much principal was owed on the
     property(ies)
U Persons who own joint rental property
  on last day of reference period that
  have a mortgage, deed of trust, or
  other debt on the properties
V   000000 .Not applicable
V   3-300000 .Total amount
V   -00003 .None

DATA   SIZE BEGIN

D TM8076   1   621
    As of(last day of reference period)
    did ... own any rental property in ...'s
    own name
U Persons who own rental property
V   0 .Not applicable
V   1 .Yes
V   2 .No -skip to SC4618

D TM8078   2   622
    How many properties did ... own
    in ...'s own name
U Persons who own rental property in own
  name on last day of reference period
V   00 .Not applicable
V 01 - 99 .Number of properties
V   -3 .None - skip to SC4618

```
**********************************************
*  COMMENT                                    *
*  The next 6 fields (TM8080 through          *
*  TM8090) are possible answers to the        *
*  question:                                  *
*                                             *
*  What type of property(ies) (was it/        *
*  were they)                                 *
*                                             *
*  In each case the range of answers is:      *
*                                             *
*  V          0 .Not marked as a kind of      *
*                .property or not             *
*                .applicable based on         *
*                .response to TM8078          *
*  V          1 .Marked as a kind of          *
*                .property                    *
**********************************************
```

D TM8080   1   624
    Vacation home
U Persons who own rental property in own
  name on last day of reference period

D TM8082   1   625
    Other residential property
U Persons who own rental property in own
  name on last day of reference period

D TM8084   1   626
    Farm property
U Persons who own rental property in own
  name on last day of reference period

D TM8086   1   627
    Commercial property
U Persons who own rental property in own
  name on last day of reference period

D TM8088   1   628
    Equipment
U Persons who own rental property in own
  name on last day of reference period

D TM8090   1   629
    Other
U Persons who own rental property in own
  name on last day of reference period

DATA   SIZE BEGIN

D TM8091   1   630
    Were any of these properties attached to
    or located on the same land as ...'s own
    residence
U Persons who own rental property in own
  name on last day of reference period
V   0 .Not applicable
V   1 .Yes - all rental properties on
V   .residence - skip to SC4618
V   2 .Yes - some rental properties on
V   .residence
V   3 .No

D TM8092   6   631
    As of(last day of reference period)
    what was the total market value of
    the property(ies)
U Persons who own rental property in own
  name on last day of reference period
V   000000 .Not applicable
V 3-500000 .Total amount - skip to
V   .TM8096

D TM8096   1   637
    Was there a mortgage, deed of trust,
    or other debt on the property(ies)
U Persons who own rental property in own
  name on last day of reference period
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to SC4618

D TM8098   6   638
    As of(last day of reference period)
    how much principal was owed on the
    property(ies)
U Persons who own rental property in own
  name that has mortgage, deed of trust,
  or other debt on property
V   000000 .Not applicable
V 3-250000 .Total amount
V   -00003 .None

D TM8100   1   644
    Did ... own any rental property jointly
    with others (as of last day of reference
    period) not including property
    owned entirely by ... and ...'s spouse
U Persons who own rental property
V   0 .Not applicable
V   1 .Yes
V   2 .No -skip to next ISS code or
V   .TM8200

D TM8102   2   645
    How many properties did ... own
    jointly with others (as of last day
    of reference period)
U Persons who own rental property
  jointly with someone other than
  spouse on last day of reference
  period
V   00 .Not applicable
V 01 - 99 .Number of properties
V   -3 .None - skip to next ISS
V   .code or TM8200

DATA   SIZE BEGIN

```
************************************************
*  COMMENT                                      *
*  The next 6 fields (TM8104 through            *
*  TM8114) are possible answers to the          *
*  question:                                    *
*                                               *
*  What type of property(ies) (was it/          *
*  were they)                                   *
*                                               *
*  In each case the range of answers is:        *
*                                               *
*  V          0 .Not marked as a kind           *
*               .of property or not             *
*               .applicable based on            *
*               .response to TM8102             *
*  V          1 .Marked as a kind of            *
*               .property                       *
************************************************
```

D TM8104   1   647
     Vacation home
U Persons who own rental property
  jointly with someone other than
  spouse on last day of reference
  period

D TM8106   1   648
     Other residential property
U Persons who own rental property
  jointly with someone other than
  spouse on last day of reference
  period

D TM8108   1   649
     Farm property
U Persons who own rental property
  jointly with someone other than
  spouse on last day of reference
  period

D TM8110   1   650
     Commercial property
U Persons who own rental property
  jointly with someone other than
  spouse on last day of reference
  period

D TM8112   1   651
     Equipment
U Persons who own rental property
  jointly with someone other than
  spouse on last day of reference
  period

D TM8114   1   652
     Other
U Persons who own rental property
  jointly with someone other than
  spouse on last day of reference
  period

D TM8116   6   653
     As of(last day of reference period)
     what was the total market value of
     the property(ies)
U Persons who own rental property
  jointly with someone other than
  spouse on last day of reference
  period
V   000000 .Not applicable
V   3-800000 .Total amount

DATA   SIZE BEGIN

D TM8118   1   659
     Was there a mortgage, deed of trust,
     or other debt on the property(ies)
U Persons who own rental property
  jointly with someone other than
  spouse on last day of reference
  period
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8122

D TM8120   6   660
     As of (last day of reference period)
     how much principal was owed on the
     property(ies)
U Persons who own rental property
  jointly with someone other than
  spouse on last day of reference
  period that has mortgage, deed of
  trust, or other debt
V   000000 .Not applicable
V   3-400000 .Total amount
V   -00003 .None

D TM8122   6   666
     As of (last day of reference period)
     what was the total value of...'s
     share of equity in the property(ies)
     (by equity we mean the total market
     value less any debts held against it.)
U Persons who own rental property
  jointly with someone other than
  spouse on last day of reference
  period
V   000000 .Not applicable
V   3-200000 .Total amount - skip to
V   .next ISS code or TM8200
V   -00003 .None

```
************************************************
*  Mortgages, royalties, and other             *
*  financial investments                        *
************************************************
```

D TM8126   9   672
     (As of last day of reference period)
     how much principal was owed to...
     and...'s(husband/wife) on this
     (these) mortgage(s)
U Persons who hold mortgage on
  property owned jointly with spouse
V 000000000 .Not applicable
V 999999999 .Total amount - Range =
V   .(4:999999999)
V -00000003 .None

D TM8128   9   681
     As of(last day of reference period)
     how much principal was owed to...On
     this (these) mortgage(s)
U Persons who hold mortgage on
  property
V 000000000 .Not applicable
V -00000003 .None
V 999999999 .Total amount- Range =
V   .(4:999999999)

DATA   SIZE BEGIN

D TM8130   1   690
     Check item A21
     Is ISS code 150 marked in Check item
     A17
U Persons with other financial
  investments
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8200

D TM8132   9   691
     As of(last day of reference period)
     what was...'s equity in other
     financial investments (by equity
     we mean the total market value less
     any debts held against it.)
U Persons with other financial investments
V 000000000 .Not applicable
V 999999999 .Total amount - Range =
V   .(4:999999999) - skip to
V   .TM8200
V -00000003 .None - skip to TM8200

****
* COMMENT   *
* Imputation flag for G2-type record   *
*   *
* The possible answers are: *
*   *
* V   0 .Not imputed   *
* V   1 .Imputed   *
****

D TM-IP009   1   700
     Topical modules imputation flag #9
     Imputation of 'TM8034'

D TM-IP010   1   701
     Topical modules imputation flag #10
     Imputation of 'TM8038'

D TM-IP011   1   702
     Topical modules imputation flag #11
     Imputation of 'TM8040'

D TM-IP012   1   703
     Topical modules imputation flag #12
     Imputation of 'TM8042'

D TM-IP013   1   704
     Topical modules imputation flag #13
     Imputation of 'TM8044'

D TM-IP014   1   705
     Topical modules imputation flag #14
     Imputation of 'TM8048'

D TM-IP015   1   706
     Topical modules imputation flag #15
     Imputation of 'TM8050'

D TM-IP016   1   707
     Topical modules imputation flag #16
     Imputation of 'TM8052'

D TM-IP017   1   708
     Topical modules imputation flag #17
     Imputation of 'TM8054'

DATA   SIZE BEGIN

D TM-IP018   1   709
     Topical modules imputation flag #18
     Imputation of 'TM8056, TM8058,
     TM8060, TM8062, TM8064, TM8066'

D TM-IP18A   1   710
     Topical modules imputation flag #18A
     Imputation of 'TM8067'

D TM-IP019   1   711
     Topical modules imputation flag #19
     Imputation of 'TM8068'

D TM-IP020   1   712
     Topical modules imputation flag #20
     Imputation of 'TM8072'

D TM-IP021   1   713
     Topical modules imputation flag #21
     Imputation of 'TM8074'

D TM-IP022   1   714
     Topical modules imputation flag #22
     Imputation of 'TM8076'

D TM-IP023   1   715
     Topical modules imputation flag #23
     Imputation of 'TM8078'

D TM-IP024   1   716
     Topical modules imputation flag #24
     Imputation of 'TM8080, TM8082,
     TM8084, TM8086, TM8088, TM8090'

D TM-IP24A   1   717
     Topical modules imputation flag #24A
     Imputation of 'TM8091'

D TM-IP025   1   718
     Topical modules imputation flag #25
     Imputation of 'TM8092'

D TM-IP026   1   719
     Topical modules imputation flag #26
     Imputation of 'TM8096'

D TM-IP027   1   720
     Topical modules imputation flag #27
     Imputation of 'TM8098'

D TM-IP028   1   721
     Topical modules imputation flag #28
     Imputation of 'TM8100'

D TM-IP029   1   722
     Topical modules imputation flag #29
     Imputation of 'TM8102'

D TM-IP030   1   723
     Topical modules imputation flag #30
     Imputation of 'TM8104, TM8106,
     TM8108, TM8110, TM8112, TM8114'

D TM-IP031   1   724
     Topical modules imputation flag #31
     Imputation of 'TM8116'

D TM-IP032   1   725
     Topical modules imputation flag #32
     Imputation of 'TM8118'

DATA   SIZE BEGIN

D TM-IP033   1   726
    Topical modules imputation flag #33
    Imputation of 'TM8120'

D TM-IP034   1   727
    Topical modules imputation flag #34
    Imputation of 'TM8122'

D TM-IP035   1   728
    Topical modules imputation flag #35
    Imputation of 'TM8126'

D TM-IP036   1   729
    Topical modules imputation flag #36
    Imputation of 'TM8128'

D TM-IP037   1   730
    Topical modules imputation flag #37
    Imputation of 'TM8132'
    assets and liabilities

D FILLER   8   731
    Filler

****
*   Assets and Liabilities   *
****

D TM8200   1   739
    As of (last day of reference period)
    did anyone outside of this household
    owe money to ... as the result of the
    sale of a business or property
    (exclude mortgages owed to ... which
    have already been reported.)
U Persons 15 years and older
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8204

D TM8202   9   740
    How much was owed to ...
    (if shared, count only ...'s share)
U Persons 15 years and older
  who are owed money from sale
  of business or property on
  last day of reference period
V 000000000 .Not in universe
V 999999999 .Total amount - Range =
V   .(3:999999999)

D TM8204   1   749
    Did ... own any U.S. savings bonds
    as of (last day of reference period)
U Persons 15 years and older
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8208

D TM8206   5   750
    What was the face value of the U.S.
    savings bonds that...owned
    (if ownership was shared, count
    only ...'s share)
U Persons 15 years and older
  who own savings bonds on last
  day of reference period
V   00000 .Not applicable
V 25 -10000 .Total amount

D TM8208   1   755
    Check item T1
    Interview status of...'s spouse
U Persons 15 years and older,
  with spouse
V   0 .Not applicable
V   1 .No spouse in household -
              .skip to TM8232
V   2 .Interview for spouse not yet
              .conducted
V   3 .Interview for spouse already
              .conducted - skip to TM8232

D TM8209   1   756
    As of (last day of reference period)
    did ... own jointly with ...'s
    (husband/wife) any checking accounts
    which do not earn interest
U Persons 15 years and older, with spouse
  interview not yet conducted
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8212

D TM8210   4   757
    What is your best estimate of the amount
    of money ... and ...'s (husband/wife) had
    in those checking accounts as of (last
    day of reference period)
U Persons 15 years and older, with spouse,
  who have checking accounts on last day of
  reference period which do not earn interest
V   0000 .Not applicable
V 0004-3000 .Total amount
V   -003 .None

D TM8212   1   761
    As of (last day of reference period)
    did ... and ...'s (husband/wife) together
    owe any money for store bills or
    credit card bills
U Persons 15 years and older, with spouse
V   0 .Not applicable
V   1 .Yes
V   2 .No

D TM8214   6   762
    How much was owed on store bills or
    credit card bills
U Persons 15 years and older, with spouse,
  with store or credit card bills on last day
  of reference period
V   000000 .Not applicable
V 3-999999 .Total amount

D TM8216   1   768
    Did ... and ...'s (husband/wife)
    together owe any money for loans
    obtained through a bank or credit
    union, other than car loans or
    home equity loans
U Persons 15 years and older, with spouse
V   0 .Not applicable
V   1 .Yes
V   2 .No

DATA	SIZE	BEGIN

D TM8218   6   769
How much was owed as of
(last day of reference period)
for bank or credit union loans
U Persons 15 years and older, with spouse,
with medical bills on last day of reference
period that were not covered by insurance
V   000000 .Not applicable
V 3-999999 .Total amount

D TM8220   1   775
Did ... and ...'s (husband/wife) together
owe any money for any other debt we have
not mentioned (include medical bills not
covered by insurance, money owed to
private individuals, and any other debt
not covered)
U Persons 15 years and older, with spouse
V   0 .Not applicable
V   1 .Yes
V   2 .No

D TM8222   6   776
How much was owed on any other
debt not yet mentioned
as of (last day of reference period)
U Persons 15 years and older,
with spouse, with money owed
for other debts not yet mentioned
V   000000 .Not applicable
V 3-999999 .Total amount

D TM8232   1   782
Besides any checking accounts
owned jointly with ...'s
spouse as of (last day of reference
period) did ... own any (other) checking
accounts which do not earn interest
U Persons 15 years and older
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8234

D TM8233   4   783
What is your best estimate of the amount
of money ... had in those checking
accounts as of (last day of reference
period) (if account was shared, count
only ...'s share)
U Persons 15 years and older with individual
checking accounts on last day of reference
period that did not earn interest
V   0000 .Not applicable
V 0001-3000 .Total amount
V   -003 .None

D TM8234   1   787
Did ... have any debts, such as credit
card bills, loans from a financial
institution, or educational loans,
in ...'s own name
U Persons 15 years and older
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8258

D TM8236   1   788
As of (last day of reference period)
did ... owe any money (in ...'s own name
only) for store bills or credit card
bills
U Persons 15 years and older who have debts
in own name
V   0 .Not applicable
V   1 .Yes
V   2 .No

D TM8238   6   789
How much was owed on store bills or
credit card bills
U Persons 15 years and older who
owe store or credit card bills
on last day of reference period
V   000000 .Not applicable
V 3-999999 .Total amount

D TM8240   1   795
As of (last day of reference period)
did...owe any money (in...'s own
name) for loans obtained through a
bank or credit union, other than
car loans or home equity loans
U Persons 15 years and older who
have debts in own name
V   0 .Not applicable
V   1 .Yes
V   2 .No

D TM8242   6   796
How much was owed as of (last day of
reference period) for loans obtained
through a bank or credit union, other
than car loans or home equity loans
U Persons 15 years and older who owe medical
bills on last day of reference period not
covered by insurance
V   000000 .Not applicable
V 3-999999 .Total amount

D TM8244   1   802
As of (last day of reference period),
did... owe any money (in...'s own
name) for any other debt not yet
mentioned (include medical bills not
covered by insurance, money owed
to private individuals, and any other
debt not covered)
U Persons 15 years and older who
have debts in own name
V   0 .Not applicable
V   1 .Yes
V   2 .No

D TM8246   6   803
How much was owed on other debts
U Persons 15 years and older who have debts
other than those already mentioned
V   000000 .Not applicable
V 3-999999 .Total amount

D TM8258   1   809
Check item T2
Is ... 21 years of age or older
U Persons 15 years and older
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8526

DATA   SIZE BEGIN

D TM8260   1   810
     Does ... have an individual retirement
     account - an IRA - in ...'s own name
U Persons 21 years and older
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8284

D TM8262   2   811
     For how many years has ... contributed
     to ...'s IRA accounts
U Persons 21 years and older who have
  IRA in own name
V   00 .Not applicable
V   01 - 18 .number of years

D TM8264   5   813
     As of (last day of reference period),
     what is the total balance or market
     value (including interest earned)
     of...'s IRA accounts
U Persons 21 years and older who
  have IRA in own name
V   00000 .Not applicable
V 3 - 50000 .Total amount - skip to
            .TM8268

```
**************************************************
*  COMMENT                                        *
*  The next 8 fields (TM8268 through              *
*  TM8282) are possible answers to the            *
*  question:                                      *
*                                                 *
*  Which kinds of assets did ... hold in          *
*  ...'s IRA accounts.  In each case the          *
*  range of answers is:                           *
*                                                 *
*  V        0 .Not marked as a kind of            *
*             .IRA account or not                 *
*             .applicable based on                *
*             .response to TM8264                 *
*  V        1 .Marked as a kind of IRA            *
*             .account                            *
**************************************************
```

D TM8268   1   818
     Certificates of deposit or other
     saving certificates
U Persons 21 years and older who
  have IRA in own name

D TM8270   1   819
     Money market funds
U Persons 21 years and older who
  have IRA in own name

D TM8272   1   820
     U.S. Government securities
U Persons 21 years and older who
  have IRA in own name

D TM8274   1   821
     Municipal or corporate bonds
U Persons 21 years and older who
  have IRA in own name

D TM8276   1   822
     U.S. savings bonds
U Persons 21 years and older who
  have IRA in own name

DATA   SIZE BEGIN

D TM8278   1   823
     Stocks or mutual fund shares
U Persons 21 years and older who
  have IRA in own name

D TM8280   1   824
     Other assets
U Persons 21 years and older who
  have IRA in own name

D TM8282   1   825
     Don't know which kinds of assets
U Persons 21 years and older who
  have IRA in own name

D TM8284   1   826
     Does ... have a KEOGH account in ...'s
     own name
U Persons 21 years and older
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8308

D TM8286   2   827
     For how many years has ... contributed
     to ...'s KEOGH account
U Persons 21 years and older
  with KEOGH account
V   00 .Not applicable
V   01 - 30 .Number of years

D TM8288   6   829
     As of (last day of reference period)
     what was the total balance or market
     value of assets in ...'s KEOGH account(s)
U Persons 21 years and older
  with KEOGH account
V   000000 .Not applicable
V 3-200000 .Total amount - skip to
            .TM8292

```
**************************************************
*  COMMENT                                        *
*  The next 8 fields (TM8292 through              *
*  TM8306) are possible answers to the            *
*  question:                                      *
*                                                 *
*  Which kind of assets did ... hold in           *
*  in...'s KEOGH account(s).  In each             *
*  case the range of answers is:                  *
*                                                 *
*  V        0 .Not marked as a kind of            *
*             .KEOGH account or not               *
*             .applicable based on                *
*             .response to TM8288                 *
*  V        1 .Marked as a kind of KEOGH*
*             .account                            *
**************************************************
```

D TM8292   1   835
     Certificates of deposit or other
     savings certificates
U Persons 21 years and older
  with KEOGH account

D TM8294   1   836
     Money market funds
U Persons 21 years and older
  with KEOGH account

D TM8296   1   837
     U.S. Government securities
U Persons 21 years and older
  with KEOGH account

DATA	SIZE	BEGIN

D TM8298   1   838
   Municipal or corporate bonds
U Persons 21 years and older
   with KEOGH account

D TM8300   1   839
   U.S. Savings bonds
U Persons 21 years and older
   with KEOGH account

D TM8302   1   840
   Stocks or mutual fund shares
U Persons 21 years and older
   with KEOGH account

D TM8304   1   841
   Other assets
U Persons 21 years and older
   with KEOGH account

D TM8306   1   842
   Don't know which assets
U Persons 21 years and older
   with KEOGH account

D TM8308   1   843
   Does ... have any life insurance
   (include group policies provided
   by employers)
U Persons 21 years and older
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8324

D TM8309   9   844
   What is the face value of all life
   insurance policies that...has
U Persons 21 years and older
   with life insurance
V   000000000 .Not applicable
V   999999999 .Total amount - Range =
V   .(3:999999999)

D TM8311   1   853
   Is "Worked" marked on the ISS
U Persons 21 years and older with
   life insurance
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8324

D TM8312   1   854
   Are any of...'s life insurance policies
   provided through...'s current employer(s)
U Persons 21 years and older with
   life insurance
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8324

D TM8313   6   855
   What is the face value of the life
   insurance policies provided through
   ...'s employer(s)
U Persons 21 years and older with
   life insurance
V   000000 .Not applicable
V   3-200000 .Face value of life
V   .insurance policies provided
V   .through ...'s employer(s)

DATA	SIZE	BEGIN

```
*******************************************
*  COMMENT                                 *
*  Imputation flag for topical modules     *
*  assets & liabilities record             *
*                                          *
*  The possible answers are:               *
* V          0 .Not imputed                *
* V          1 .imputed                    *
*******************************************
```

D TM-IP038   1   861
   Topical modules imputation flag #38
   Imputation of 'TM8200'

D TM-IP039   1   862
   Topical modules imputation flag #39
   Imputation of 'TM8202'

D TM-IP040   1   863
   Topical modules imputation flag #40
   Imputation of 'TM8204'

D TM-IP041   1   864
   Topical modules imputation flag #41
   Imputation of 'TM8206'

D TM-IP042   1   865
   Topical modules imputation flag #42
   Imputation of 'TM8209'

D TM-IP043   1   866
   Topical modules imputation flag #43
   Imputation of 'TM8210'

D TM-IP044   1   867
   Topical modules imputation flag #44
   Imputation of 'TM8212'

D TM-IP045   1   868
   Topical modules imputation flag #45
   Imputation of 'TMTM8214'

D TM-IP046   1   869
   Topical modules imputation flag #46
   Imputation of 'TM8216'

D TM-IP047   1   870
   Topical modules imputation flag #47
   Imputation of 'TM8218'

D TM-IP048   1   871
   Topical modules imputation flag #48
   Imputation of 'TM8220'

D TM-IP049   1   872
   Topical modules imputation flag #49
   Imputation of 'TM8222'

```
*******************************************
*  COMMENT                                 *
*  The next two flags are for source       *
*  codes which have been added to          *
*  Panel 1985 Wave 7.                      *
*******************************************
```

D TM-IP050   1   873
   Topical modules imputation flag #50
   Imputation of 'TM8312'

D TM-IP051   1   874
   Topical modules imputation flag #51
   Imputation of 'TM8313'

DATA   SIZE BEGIN

D TM-IP055   1   875
    Topical modules imputation flag #55
    Imputation of 'TM8232'

D TM-IP056   1   876
    Topical modules imputation flag #56
    Imputation of 'TM8233'

D TM-IP057   1   877
    Topical modules imputation flag #57
    Imputation of 'TM8234'

D TM-IP058   1   878
    Topical modules imputation flag #58
    Imputation of 'TM8236'

D TM-IP059   1   879
    Topical modules imputation flag #59
    Imputation of 'TM8238'

D TM-IP060   1   880
    Topical modules imputation flag #60
    Imputation of 'TM8240'

D TM-IP061   1   881
    Topical modules imputation flag #61
    Imputation of 'TM8242'

D TM-IP062   1   882
    Topical modules imputation flag #62
    Imputation of 'TM8244'

D TM-IP063   1   883
    Topical modules imputation flag #63
    Imputation of 'TM8246'

D TM-IP069   1   884
    Topical modules imputation flag #69
    Imputation of 'TM8260'

D TM-IP070   1   885
    Topical modules imputation flag #70
    Imputation of 'TM8262'

D TM-IP071   1   886
    Topical modules imputation flag #71
    Imputation of 'TM8264'

D TM-IP072   1   887
    Topical modules imputation flag #72
    Imputation of 'TM8268, TM8270,
    TM8272, TM8274, TM8276, TM8278,
    TM8280'

D TM-IP073   1   888
    Topical modules imputation flag #73
    Imputation of 'TM8284'

D TM-IP074   1   889
    Topical modules imputation flag #74
    Imputation of 'TM8286'

D TM-IP075   1   890
    Topical modules imputation flag #75
    Imputation of 'TM8288'

D TM-IP076   1   891
    Topical modules imputation flag #76
    Imputation of 'TM8292, TM8294,
    TM8296, TM8298, TM8300, TM8302,
    TM8304'

DATA   SIZE BEGIN

D TM-IP077   1   892
    Topical modules imputation flag #77
    Imputation of 'TM8308'

D TM-IP078   1   893
    Topical modules imputation flag #78
    Imputation of 'TM8309'
    pension plan coverage

D TM8324   1   894
    Check item T4
    Are any employer's ID numbers entered
    in SC2002, or SC2102
U Persons 25 years old or older
V   0 .Not applicable
V   1 .Yes
V   2 .No -skip to TM8448

D TM8326   1   895
    Enter job number for job 1
U Persons 25 years old or older who
  were employed for wage or salary
  during the reference period
  (Employer 1)
V   0 .Not applicable
V   1 - 9 .Job number

```
*****************************************
*  COMMENT                              *
*  The next 31 fields (TM8330 through   *
*  TM8443) are related to employer 1    *
*****************************************
```

D TM8330   1   896
    About how many persons are employed
    by employer one at the location
    where ... works
U Persons 25 years old or older who
  were employed for wage or salary
  during the reference period
  (Employer 1)
V   0 .Not applicable
V   1 .Under 25
V   2 .25 to 99
V   3 .100 or more - skip to TM8342

D TM8334   1   897
    Does employer one operate in
    more than one location
U Persons 25 years old or older who
  were employed for wage or salary
  during the reference period at
  business with fewer than 1,000
  employees (Employer 1)
V   0 .Not applicable
V   1 .Yes
V   2 .No -skip to TM8342

D TM8338   1   898
    About how many persons are employed
    by employer one at all location
U Persons 25 years old or older who
  were employed for wage or salary
  during the reference period at
  business with fewer than 1,000
  employees which operates in more
  than one location (Employer 1)
V   0 .Not applicable
V   1 .Under 25
V   2 .25 to 99
V   3 .100 or more

DATA	SIZE	BEGIN
D TM8342	1	899

Does...'s employer(one) or union have
a retirement plan for any of its
employees
U Persons 25 years old or older who
were employed for wage or salary
during the reference period
V　　　0 .Not applicable
V　　　1 .Yes
V　　　2 .No - skip to TM8382

| D TM8346 | 1 | 900 |

Is ... included in such a plan
U Salaried persons 25 years old or
older whose employer or union has
a retirement plan for any of the
employees
V　　　0 .Not applicable
V　　　1 .Yes- skip to TM8384
V　　　2 .No

```
***********************************************
*  COMMENT                                     *
*  The next 8 fields (TM8350, TM8354,          *
*  TM8358, TM8362, TM8366, TM8370,             *
*  TM8374, TM8378 are possible answers to*
*  the question:  Why isn't...included in*
*  such a plan in each case the range of *
*  answers is                                  *
*                                              *
*  V          0 .Not marked as a kind of *
*                .reason or not applicable*
*                .based on response to   *
*                .TM8346                       *
*  V          1 .Marked as a kind of     *
*                .reason                       *
***********************************************
```

| D TM8350 | 1 | 901 |

Chose not to belong
U Salaried persons 25 yers old or
older who work for wage or salary
who are not included in employer's
or union's retirement plan

| D TM8354 | 1 | 902 |

No one in ...'s type of job can belong
U Salaried persons 25 years old or
older who work for wage or salary
who are not included in employer's
or union's retirement plan

| D TM8358 | 1 | 903 |

...does not work enough hours, weeks
or months per year
U Salaried persons 25 years old or
older who work for wage or salary
who are not included in employer's
or union's retirement plan

| D TM8362 | 1 | 904 |

... started this job too close to ...'s
retirement date
U Salaried persons 25 years old or
older who work for wage or salary
who are not included in employer's
or union's retirement plan

| D TM8366 | 1 | 905 |

... is too young
U Salaried persons 25 years old or
older who work for wage or salary
who are not included in employer's
or union's retirement plan

DATA	SIZE	BEGIN
D TM8370	1	906

... has not worked for this employer
long enough
U Salaried persons 25 years old or
older who work for wage or salary
who are not included in employer's
or union's retirement plan

| D TM8374 | 1 | 907 |

Other
U Salaried persons 25 years old or
older who work for wage or salary
who are not included in employer's
or union's retirement plan

| D TM8382 | 1 | 908 |

Check item T6
Is another employer listed
in TM8324
U Persons 25 years old or older who
work for wage or salary
V　　　0 .Not applicable
V　　　1 .Yes - skip to TM8328
V　　　2 .No - skip to TM8448

| D TM8384 | 1 | 909 |

Is ... included in more than one
retirement or pension plan
on this job
U Salaried persons 25 years old or
older who are included in a retirement
or pension plan
V　　　0 .Not applicable
V　　　1 .Yes
V　　　2 .No

| D TM8388 | 1 | 910 |

Is ...'s (basic) retirement plan a
profit sharing plan
U Salaried persons 25 years old or
older who are included in a retirement
or pension plan
V　　　0 .Not applicable
V　　　1 .Yes - skip to TM8396
V　　　2 .No

| D TM8392 | 1 | 911 |

Are the retirement benefits of ...'s
(basic) pension plan determined by
years of service and pay, or by the
amount of contributions to the plan
U Salaried persons 25 years old or
older who are included in a retirement
or pension plan other than profit sharing
V　　　0 .Not applicable
V　　　1 .Based on years of service and
V　　　　.pay
V　　　2 .Based on the amount contributed
V　　　　.to the plan

| D TM8396 | 1 | 912 |

Does employer one make payments
towards ...'s (basic) plan
U Salaried persons 25 years old or
older who are included in a retirement
or pension plan
V　　　0 .Not applicable
V　　　1 .Yes
V　　　2 .No

DATA   SIZE BEGIN

D TM8400   1   913
        Does ... make payments toward ...'s
        (basic) plan (include payments
        deducted from...'s pay.)
U Salaried persons 25 years old or
  older who are included in a retirement
  or pension plan
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8420

D TM8404   6   914
        How much does ... contribute toward ...'s
        (basic) plan
U Salaried persons 25 years old or older
  who contribute to his/her retirement
  pension plan (Employer 1)
V   000000 .Not applicable
V 1 - 999999 .Total amount

D TM8408   1   920
        How does ... contribute toward ...'s
        (basic) plan
U Salaried persons 25 years old or older
  who contribute to his/her retirement
  pension plan (Employer 1)
V   0 .Not applicable
V   1 .Week
V   2 .Biweekly
V   3 .Month
V   4 .Quarter
V   5 .Year

D TM8412   3   921   1
        What percent of salary does ...
        contribute toward ...'s (basic) plan
        (one implied decimal point)
U Salaried persons 25 years old or older
  who contribute to his/her retirement
  pension plan (Employer 1)
V   000 .Not applicable
V 001 - 999 .Percent

D TM8420   2   924
        How long has ... been included in this
        (basic) plan (include only the
        years that count toward ...'s
        retirement benefits)
U Salaried persons 25 years old or
  older who are included in a retirement
  or pension plan (Employer 1)
V   00 .Not applicable
V   01 .Less than 1 year
V   02 - 99 .Number of years

D TM8424   1   926
        If ... were to leave employer one now
        or in the next few months, could ...
        eventually receive some benefits
        from this plan upon reaching
        retirement age
U Salaried persons 25 years old or
  older who are included in a retirement
  or pension plan (Employer 1)
V   0 .Not applicable
V   1 .Yes - skip to TM8432
V   2 .No

D TM8428   1   927
        Is that because ... has not been
        included in this plan enough years
U Salaried persons 25 years old or
  older included in a retirement/pension
  plan, who would not receive benefit
  from this plan if employment was
  terminated early (Employer 1)
V   0 .Not applicable
V   1 .Yes
V   2 .No

D TM8432   1   928
        Under this plan, could ...'s
        retirement benefits from this plan
        be received in a lump-sum payment
        (do not include lump-sum payments
        which are entirely refunds of ...'s
        contributions to the plan.)
U Salaried persons 25 years old or
  older who are included in a retirement
  or pension plan (Employer 1)
V   0 .Not applicable
V   1 .Yes
V   2 .No

D TM8438   1   929
        Does employer offer a salary
        reduction plan, sometimes called
        either a 401k or 403b plan?
        Such a plan allows employees to
        defer part of their salary and not
        have to pay taxes on the deferred
        salary until they retire or
        withdraw the money
U Persons 25 years old or older who
  work for wage or salary (Employer 1)
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8446

D TM8442   1   930
        Does ... participate in this plan
U Salaried persons 25 years old or
  older whose employer offers a salary
  reduction plan (Employer 1)
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8446

D TM8443   5   931
        As of (last day of reference period)
        what was the total amount...had in
        this plan
U Salaried persons 25 years old or
  older whose employer offers a salary
  reduction plan
V   00000 .Not applicable
V   3-80000 .Amount ... had in this plan

D TM8446   1   936
        Check item T6
        Is another employer listed
        in TM8328
U Persons 25 years old or older who
  work for wage or salary
V   0 .Not applicable
V   1 .Yes - skip to TM8328
V   2 .No - skip to TM8448

DATA   SIZE BEGIN

```
************************************************
*  COMMENT                              *
*  THE next 29 fields (TM8328 through   *
*  TM8445) are related to employer 2    *
************************************************
```

D TM8328   1   937
      Job number at employer number two
U Persons 25 years old or older who
  were employed for wage or salary
  during the reference period
V   0 .Not applicable
V   1 - 9 .Job number

D TM8332   1   938
      About how many persons are employed
      by this employer two at the location
      where ... works
U Persons 25 years old or older who
  were employed for wage or salary
  during the reference period
V   0 .Not applicable
V   1 .Under 25
V   2 .25 to 99
V   3 .100 or more - skip to TM8344

D TM8336   1   939
      Does employer two operate in
      more than one location
U Persons 25 years old or older who
  were employed for wage or salary
  during the reference period at a
  location with fewer than 1,000
  employees
V   0 .Not applicable
V   1 .Yes
V   2 .No -skip to TM8344

D TM8340   1   940
      About how many persons are employed
      by employer two at all location
U Persons 25 years old or older who
  were employed for wage or salary
  during the reference period at a
  location with fewer than 1,000
  employees for business that
  operates in more than one location
V   0 .Not applicable
V   1 .Under 25
V   2 .25 to 99
V   3 .100 or more

D TM8344   1   941
      Does ...'s employer two or union have
      a retirement plan for any of its
      employees
U Persons 25 years old or older who
  were employed for wage or salary
  during the reference period
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8448

D TM8348   1   942
      Is ... included in such a plan
U Persons 25 years old or older whose
  employer or union have a retirement
  plan for its employees
V   0 .Not applicable
V   1 .Yes- skip to TM8386
V   2 .No - skip to TM8448

DATA   SIZE BEGIN

```
************************************************
*  COMMENT                              *
*  THE next 8 fields (TM8352, TM8356,   *
*  TM8360, TM8364, TM8368, TM8372,      *
*  TM8376, TM8380 are possible answers to*
*  the question:  Why isn't ... included *
*  in such a plan in each case the range *
*  of answers is:                       *
*                                       *
*  V          0 .Not marked as a kind of *
*               .reason or not applicable*
*               .based on response to    *
*               .TM8348                  *
*  V          1 .marked as a kind of     *
*               .reason                  *
************************************************
```

D TM8352   1   943
      Chose not to belong
U Persons 25 years old or older not
  included in employer's retirement plan

D TM8356   1   944
      No one in ...'s type of job can belong
U Persons 25 years old or older not
  included in employer's retirement plan

D TM8360   1   945
      ... does not work enough hours, weeks
      or months per year
U Persons 25 years old or older not
  included in employer's retirement plan

D TM8364   1   946
      ... started this job too close to ...'s
      retirement date
U Persons 25 years old or older not
  included in employer's retirement plan

D TM8368   1   947
      ... is too young
U Persons 25 years old or older not
  included in employer's retirement plan

D TM8372   1   948
      ... has not worked for this employer
      long enough
U Persons 25 years old or older not
  included in employer's retirement plan

D TM8376   1   949
      Other
      Skip to Check item T7 (TM8448)
U Persons 25 years old or older not
  included in employer's retirement plan

D TM8386   1   950
      Is ... included in more than one
      retirement or pension plan
U Persons 25 years old or older
  included in employer's retirement plan
V   0 .Not applicable
V   1 .Yes
V   2 .No

D TM8390   1   951
      Is ...'s (basic) retirement plan a
      profit sharing plan
U Persons 25 years old or older
  included in employer's retirement plan
V   0 .Not applicable
V   1 .Yes - skip to TM8398
V   2 .No

DATA   SIZE BEGIN

D TM8394   1   952
    Are the retirement benefits of...'s
    (basic) pension plan determined by
    years of service and pay, or by the
    amount of contributions to the plan
U Persons 25 years old or older
  included in employer's retirement
  plan which is not profit sharing
V   0 .Not applicable
V   1 .Based on years of service
             .and pay
V   2 .Based on the amount contributed
             .to the plan

D TM8398   1   953
    Does employer two make payments
    towards ...'s (basic) plan
U Persons 25 years old or older
  included in employer's retirement plan
V   0 .Not applicable
V   1 .Yes
V   2 .No

D TM8402   1   954
    Does ... make payments toward ...'s
    (basic) plan (include payments
    deducted from ...'s pay.)
U Salaried persons 25 years old or
  older who are included in a retirement
  or pension plan
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8422

D TM8406   6   955
    How much does ... contribute toward ...'s
    (basic) plan
U Salaried persons 25 years old or older
  who contribute to his/her retirement
  pension plan (Employer 2)
V   000000 .Not applicable
V 1 - 999999 .Total amount

D TM8410   1   961
    How does ... contribute toward...'s
    (basic) plan
U Salaried persons 25 years old or older
  who contribute to his/her retirement
  pension plan (Employer 2)
V   0 .Not applicable
V   1 .Week
V   2 .Biweekly
V   3 .Month
V   4 .Quarter
V   5 .Year

D TM8414   3   962   1
    Or what percent of salary does ...
    contribute toward ...'s (basic) plan
    One implied decimal point
U Salaried persons 25 years old or older
  who contribute to his/her retirement
  pension plan (Employer 2)
V   000 .Not applicable
V 001 - 999 .Percent

D TM8422   2   965
    How long has ... been included in this
    (basic) plan (include only the
    years that count toward ...'s
    retirement benefits)
U Salaried persons 25 years old or
  older who are included in a retirement
  or pension plan (Employer 2)
V   00 .Not applicable
V   01 .Less than 1 year
V   02 - 99 .Number of years

D TM8426   1   967
    If ... were to leave the employer now
    or in the next few months, could ...
    eventually receive some benefits from
    this plan upon reaching retirement age
U Salaried persons 25 years old or older
  included in a retirement/pension plan
V   0 .Not applicable
V   1 .Yes - skip to TM8436
V   2 .No

D TM8430   1   968
    Is that because ... has not been
    included in this plan enough years
U Salaried persons 25 years old or
  older included in a retirement or
  pension plan who would not receive
  benefit from this plan if employment
  was terminated early (Employer 2)
V   0 .Not applicable
V   1 .Yes
V   2 .No

D TM8436   1   969
    Under this plan, could ...'s
    retirement benefits from this plan
    be received in a lump-sum payment
    (do not include lump-sum payments
    which are entirely refunds of ...'s
    contributions to the plan)
U Persons 25 years old or older who
  work for wage or salary (Employer 2)
V   0 .Not applicable
V   1 .Yes
V   2 .No

D TM8440   1   970
    Does employer two offer a salary
    reduction plan, sometimes called
    either a 401k plan such a plan allows
    employees to defer part of their salary
    and not have to pay taxes on the deferred
    salary until they retire.
U Salaried persons 25 years old or older
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8448

D TM8444   1   971
    Does ... participate in this plan
U Salaried persons 25 years old or
  older whose employer offers a salary
  reduction plan (Employer 2)
V   0 .Not applicable - skip to TM8448
V   1 .Yes
V   2 .No - skip to TM8448

DATA   SIZE BEGIN

D TM8445   5   972
    As of (last day of reference period)
    what was the total amount...had in
    this plan
U Salaried persons 25 years old or
  older who participates in employer's
  salary reduction plan (Employer 2)
V   00000 .Not applicable
V 3 - 25000 .The total amount ...
            .had in this plan

D TM8448   1   977
    Check item T7
    Is ... self employed
U Persons 25 years old or older
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8458

D TM8450   1   978
    First business ID number
U Persons 25 years old or older who
  are self-employed (first business)
V   0 .Not applicable
V   1 - 9 .ID number

D TM8454   1   979
    Not counting Social Security, IRA,
    or KEOGH accounts, is ... covered by
    a pension or retirement in the
    first business
U Persons 25 years old or older who
  are self-employed (first business)
V   0 .Not applicable
V   1 .Yes
V   2 .No

D TM8452   1   980
    Second business ID number
U Persons 25 years old or older who
  are self-employed (second business)
V   0 .Not applicable
V   1 - 9 .ID number

D TM8456   1   981
    Not counting Social Security, IRA, or
    KEOGH accounts, is ... covered by a
    pension or retirement in the second
    business
U Persons 25 years old or older who are
  self-employed (second business)
V   0 .Not applicable
V   1 .Yes
V   2 .No

D TM8458   1   982
    Is ... 55 To 64 years of age
U Persons 25 years old or older
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8475

D TM8460   1   983
    (Other than the plans we have already
    talked about) did ... hold a job in the
    past from which ... eventually expects
    to receive retirement benefits, either
    as a series of regular payments or as a
    lump sum payment at retirement (excluding
    Social Security, railroad retirement, and
    other plans already reported)

DATA   SIZE BEGIN

U Persons between the age of 55 and 64
V   0 .Not applicable
V   1 .Yes
V   2 .No

```
********************************************
*  COMMENT                                  *
*  The next 6 fields (SC8462 through        *
*  SC8472) are possible answers to the      *
*  question:                                *
*                                           *
*  Is this pension plan from-               *
*                                           *
*  In each case the range of answers is:    *
*                                           *
*  V          0 .Not marked as a possible   *
*               .source of this pension     *
*               .plan                       *
*  V          1 .Marked as a possible       *
*               .source of this pension     *
*               .plan                       *
********************************************
```

D TM8462   1   984
    A private employer
U Persons between the ages of 55 and 64 who
  expect to receive retirement benefits from a
  previously held job

D TM8464   1   985
    Military
U Persons between the ages of 55 and 64 who
  expect to receive retirement benefits from a
  previously held job

D TM8466   1   986
    Federal government (civilian)
U Persons between the ages of 55 and 64 who
  expect to receive retirement benefits from a
  previously held job

D TM8468   1   987
    State or local governments
U Persons between the ages of 55 and 64 who
  expect to receive retirement benefits from a
  previously held job

D TM8470   1   988
    A union
U Persons between the ages of 55 and 64 who
  expect to receive retirement benefits from a
  previously held job

D TM8472   1   989
    Other
U Persons between the ages of 55 and 64 who
  expect to receive retirement benefits from a
  previously held job

D TM8474   2   990
    How many years (altogether) did
    ... work on (that job/those jobs)
U Persons between the ages of 55 and 64 who
  expect to receive retirement benefits from a
  previously held job
V   00 .Not applicable
V 01 - 99 .years

DATA   SIZE BEGIN

D TM8475   1   992
    Is ... 62 years of age or older
U Persons 25 years old or older
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8482

D TM8476   1   993
    Did ... ever receive a lump sum
    payment from a pension or retirement plan
    provided by...'s employer or union
    (include refunds of ...'s own contri-
    butions to the plan)
U Persons 62 years old or older
V   0 .Not applicable
V   1 .Yes
V   2 .No

D TM8477   2   994
    How many times did ... receive a lump
    sum payment
U Persons 62 years old or older who received
  a lump sum payment from a pension or
  retirement plan provided by employer or
  union
V   00 .Not applicable
V 01 - 99 .Number of times ... received
           .a lump sum payment

D TM8478   4   996
    When did ... receive the (most recent)
    lump sum payment .
U Persons 62 years old or older who received a
  lump sum payment from a pension or
  retirement plan provided by employer or
  union
V   0000 .Not applicable
V 1901-1991 .Year ... received the most
           .recent lump sum payment

D TM8479   6   1000
    Approximately how much did ... receive
U Persons 62 years old or older who received
  a lump sum payment from a pension or
  retirement plan provided by employer or
  union
V   000000 .Not applicable
V 3 - 150000 .Approximate amount received

D TM8480   1   1006
    At the time ... received the (most
    recent) lump sum payment, did ... roll
    over the funds into an IRA or put them
    into another (or same) pension or
    retirement plan
U Persons 62 years old or older who received
  a lump sum payment from a pension or
  retirement plan provided by employer or
  union
V   0 .Not applicable
V   1 .Yes - skip to TM8482
V   2 .No

D TM8481   5   1007
    *** Questionnaire design error ***
    If for example 3 and 4 are the responses
    to the question:
    At the time ... received the lump sum
    payment, what did ... do with those funds
    TM8481 may be equal to 34 or 43
    *** End of comment regarding question-
    naire design ***

DATA   SIZE BEGIN

U Persons 62 years old or older who received
  a lump sum payment from a pension or
  retirement plan provided by employer or
  union
V   00000 .Not applicable
V   00001 .Purchased a home or paid off
           .a mortgage
V   00002 .Used it for children's
           .education
V   00003 .Used it for a period of
           .unemployment
V   00004 .Paid off loans, bills, or spent
           .it on other items
V   00005 .Other

****
* COMMENT   *
* THE following 5 fields are recodes for *
* TM8481   *
****

D R8481A   1   1012
    Purchased a home or paid off a mortgage

D R8481B   1   1013
    Used it for children's education

D R8481C   1   1014
    Used it for a period of unemployment

D R8481D   1   1015
    Paid off loans, bills, or spent it on
    other items

D R8481E   1   1016
    Other

D TM8482   1   1017
    Are codes 30, 31, 32, 33, 34, or 35
    marked on the ISS
V   0 .Not applicable
V   1 .Yes
V   2 .No skip to check item T11-
           .TM8526

D TM8483   1   1018
    Earlier you said ... received some
    retirement income other than social
    security. Did ... receive these
    because ... retired from a job or
    business or for some other reason
V   0 .Not applicable
V   1 .Retired from job
V   2 .Some other reason - skip to
           .TM8526

D TMIND   3   1019
    The next few questions refer to the
    job in the past from which ... received
    the retirement income.
    What kind of business or industry was
    ...'s employer
V   000 .Not applicable
V 001-991 .Industry occupation code

D TMOCC   3   1022
V   000 .Not applicable
V 001 - 999 .Industry occupation code

DATA SIZE BEGIN

D TM8492 1 1025
  Was ... an employee of
U Persons 25 years old or older who
  have received some retirement income
  other than Social Security, railroad
  retirement, or other plan already
  reported
V   0 .Not applicable
V   1 .A private company or union
V   2 .Federal government (exclude
V   .Armed Forces)
V   3 .State government
V   4 .Local government
V   5 .Armed Forces
V   6 .Unpaid in family business
V   .or farm - skip to check item T11
V   .TM8526

D TM8494 1 1026
  About how many persons were employed
  by that employer at the location ...
  worked
U Persons 25 years old or older who
  have received some retirement income
  other than Social Security, railroad
  retirement, or other plan already
  reported
V   0 .Not applicable
V   1 .Under 25
V   2 .25 to 99
V   3 .100 to 499
V   4 .500 to 999
V   5 .100 or more - skip to TM8500

D TM8496 1 1027
  Did that employer operate in more
  than one location
U Persons 25 years old or older who
  have received some retirement income
  other than Social Security, railroad
  retirement, or other plan already
  reported from employer with fewer
  than 1,000 employees
V   0 .Not applicable
V   1 .Yes
V   2 .No - skip to TM8500

D TM8498 1 1028
  About how many persons were
  employed by that employer at
  all locations
U Persons 25 years old or older who
  have received some retirement income
  other than Social Security, railroad
  retirement, or other plan already
  reported from employer with fewer than
  1,000 employees who operates at more
  than one location
V   0 .Not applicable
V   1 .Under 25
V   2 .25 to 99
V   3 .100 or more

D TM8500 2 1029
  How many hours a week did ...
  usually work at that job
U Persons 25 years old or older who
  have received some retirement income
  other than Social Security, railroad
  retirement, or other plan already
  reported
V   00 .Not applicable
V 01 - 99 .Hours per week

D TM8502 2 1031
  How many weeks a year did ...
  usually work at that job (include
  paid vacations and sick leave)
U Persons 25 years old or older who
  have received some retirement income
  other than Social Security, railroad
  retirement, or other plan already
  reported
V   00 .Not applicable
V 01 - 52 .Weeks per year

D TM8504 2 1033
  How many years did ... work at that
  job
U Persons 25 years old or older who
  have received some retirement income
  other than Social Security, railroad
  retirement, or other plan already
  reported
V   00 .Not applicable
V 01 - 85 .Years employed at that job

D TM8506 4 1035
  In what year did ... leave that job
U Persons 25 years old or older who
  have received some retirement income
  other than Social Security, railroad
  retirement, or other plan already
  reported
V   0000 .Not applicable
V 1901-1991 .Year that ... left that
V   .job

D TM8508 6 1039
  When ... left that job, how much was ...
  earning (before deductions for taxes
  or anything else)
  (if self-employed, show net business
  income)
U Persons 25 years old or older who
  have received some retirement income
  other than Social Security, railroad
  retirement, or other plan already
  reported
V   000000 .Not applicable
V 1 - 100000 .Earnings before
     .deductions for taxes, etc.,

D TM8510 1 1045
  Earning per -
U Persons 25 years old or older who
  have received some retirement income
  other than Social Security, railroad
  retirement, or other plan already
  reported
V   0 .Not applicable
V   1 .Week
V   2 .Month
V   3 .Year

D TM8514 4 1046
  In what year did ... begin receiving
  this pension
U Persons 25 years old or older who
  have received some retirement income
  other than Social Security, railroad
  retirement, or other plan already
  reported
V   0000 .Not applicable
V 1901-1991 .Year ... begin receiving
V   .this pension

DATA	SIZE	BEGIN

D TM8516   1   1050
    Was the amount of...'s(basic)
    retirement benefits based on
    ...'s years of service and pay, or
    on the amount of ...'s contributions
    to the plan
U Persons 25 years old or older who
  have received some retirement income
  other than Social Security, railroad
  retirement, or other plan already
  reported
V   0 .Not applicable
V   1 .Based on years of service and
V   .pay
V   2 .Based on the amount contributed
V   .to plan

D TM8518   1   1051
    Did ... take reduced benefits in order
    to elect a survivor option
U Persons 25 years old or older who
  have received some retirement income
  other than Social Security, railroad
  retirement, or other plan already
  reported
V   0 .Not applicable
V   1 .Yes
V   2 .No

D TM8520   1   1052
    Has ...'s retirement pension ever
    been increased for cost-of-living
    changes
U Persons 25 years old or older who
  have received some retirement income
  other than Social Security, railroad
  retirement, or other plan already
  reported
V   0 .Not applicable
V   1 .Yes - skip to TM8524
V   2 .No

D TM8522   1   1053
    Does ...'s pension plan include
    a cost-of-living adjustment
    provision
U Persons 25 years old or older who
  have received some retirement income
  other than Social Security, railroad
  retirement, or other plan already
  reported
V   0 .Not applicable
V   1 .Yes
V   2 .No

D TM8524   1   1054
    Is ... now covered by a health
    plan provided through ...'s
    former employer
U Persons 25 years old or older
  who have received some retirement
  income other than Social Security,
  railroad retirement, or other plan
  already reported
V   0 .Not applicable
V   1 .Yes
V   2 .No

```
***********************************************
*  Imputation flag for retirement and         *
*  pension coverage                           *
***********************************************
```

D TM-IP079   1   1055
    Topical modules imputation flag #79
    Imputation of 'TM8330'
V   0 .Not imputed
V   1 .Imputed

D TM-IP080   1   1056
    Topical modules imputation flag #80
    Imputation of 'TM8332'
V   0 .Not imputed
V   1 .Imputed

D TM-IP081   1   1057
    Topical modules imputation flag #81
    Imputation of 'TM8334'
V   0 .Not imputed
V   1 .Imputed

D TM-IP082   1   1058
    Topical modules imputation flag #82
    Imputation of 'TM8336'
V   0 .Not imputed
V   1 .Imputed

D TM-IP083   1   1059
    Topical modules imputation flag #83
    Imputation of 'TM8338'
V   0 .Not imputed
V   1 .Imputed

D TM-IP084   1   1060
    Topical modules imputation flag #84
    Imputation of 'TM8340'
V   0 .Not imputed
V   1 .Imputed

D TM-IP085   1   1061
    Topical modules imputation flag #85
    Imputation of 'TM8342'
V   0 .Not imputed
V   1 .Imputed

D TM-IP086   1   1062
    Topical modules imputation flag #86
    Imputation of 'TM8344'
V   0 .Not imputed
V   1 .Imputed

D TM-IP087   1   1063
    Topical modules imputation flag #87
    Imputation of 'TM8346'
V   0 .Not imputed
V   1 .Imputed

D TM-IP088   1   1064
    Topical modules imputation flag #88
    Imputation of 'TM8348'
V   0 .Not imputed
V   1 .Imputed

D TM-IP089   1   1065
    Topical modules imputation flag #89
    Imputation of 'TM8350, TM8354, TM8358,
    TM8362, TM8366, TM8370, TM8374'
V   0 .Not imputed
V   1 .Imputed

D TM-IP090   1   1066
    Topical modules imputation flag #90
    Imputation of 'TM8352, TM8356,
    TM8360, TM8364, TM836TM8, TM8372,
    TM8376'
V   0 .Not imputed
V   1 .Imputed

DATA   SIZE BEGIN

D TM-IP091   1   1067
        Topical modules imputation flag #91
        Imputation of 'TM8384'
V   0 .Not imputed
V   1 .Imputed

D TM-IP092   1   1068
        Topical modules imputation flag #92
        Imputation of 'TM8386'
V   0 .Not imputed
V   1 .Imputed

D TM-IP093   1   1069
        Topical modules imputation flag #93
        Imputation of 'TM8388'
V   0 .Not imputed
V   1 .Imputed

D TM-IP094   1   1070
        Topical modules imputation flag #94
        Imputation of 'TM8390'
V   0 .Not imputed
V   1 .Imputed

D TM-IP095   1   1071
        Topical modules imputation flag #95
        Imputation of 'TM8392'
V   0 .Not imputed
V   1 .Imputed

D TM-IP096   1   1072
        Topical modules imputation flag #96
        Imputation of 'TM8394'
V   0 .Not imputed
V   1 .Imputed

D TM-IP097   1   1073
        Topical modules imputation flag #97
        Imputation of 'TM8396'
V   0 .Not imputed
V   1 .Imputed

D TM-IP098   1   1074
        Topical modules imputation flag #98
        Imputation of 'TM8398'
V   0 .Not imputed
V   1 .Imputed

D TM-IP099   1   1075
        Topical modules imputation flag #99
        Imputation of 'TM8400'
V   0 .Not imputed
V   1 .Imputed

D TM-IP100   1   1076
        Topical modules imputation flag #100
        Imputation of 'TM8402'
V   0 .Not imputed
V   1 .Imputed

D TM-IP101   1   1077
        Topical modules imputation flag #101
        Imputation of 'TM8404, TM8408'
V   0 .Not imputed
V   1 .Imputed TM8404
V   2 .Imputed TM8408
V   3 .Imputed TM8404 & TM8408

D TM-IP102   1   1078
        Topical modules imputation flag #102
        Imputation of 'TM8406, TM8410'
V   0 .Not imputed
V   1 .Imputed TM8406
V   2 .Imputed TM8410
V   3 .Imputed TM8406 & TM8410

D TM-IP103   1   1079
        Topical modules imputation flag #103
        Imputation of 'TM8412'
V   0 .Not imputed
V   1 .Imputed

D TM-IP104   1   1080
        Topical modules imputation flag #104
        Imputation of 'TM8414'
V   0 .Not imputed
V   1 .Imputed

D TM-IP105   1   1081
        Topical modules imputation flag #105
        Imputation of 'TM8420'
V   0 .Not imputed
V   1 .Imputed

D TM-IP106   1   1082
        Topical modules imputation flag #106
        Imputation of 'TM8422'
V   0 .Not imputed
V   1 .Imputed

D TM-IP107   1   1083
        Topical modules imputation flag #107
        Imputation of 'TM8424'
V   0 .Not imputed
V   1 .Imputed

D TM-IP108   1   1084
        Topical modules imputation flag #108
        Imputation of 'TM8426'
V   0 .Not imputed
V   1 .Imputed

D TM-IP109   1   1085
        Topical modules imputation flag #109
        Imputation of 'TM8428'
V   0 .Not imputed
V   1 .Imputed

D TM-IP110   1   1086
        Topical modules imputation flag #110
        Imputation of 'TM8430'
V   0 .Not imputed
V   1 .Imputed

D TM-IP111   1   1087
        Topical modules imputation flag #111
        Imputation of 'TM8432'
V   0 .Not imputed
V   1 .Imputed

D TM-IP112   1   1088
        Topical modules imputation flag #112
        Imputation of 'TM8436'
V   0 .Not imputed
V   1 .Imputed

DATA   SIZE BEGIN

D TM-IP113   1   1089
     Topical modules imputation flag #113
     Imputation of 'TM8438'
V   0 .Not imputed
V   1 .Imputed

D TM-IP114   1   1090
     Topical modules imputation flag #114
     Imputation of 'TM8440'
V   0 .Not imputed
V   1 .Imputed

D TM-IP115   1   1091
     Topical modules imputation flag #115
     Imputation of 'TM8442'
V   0 .Not imputed
V   1 .Imputed

D TM-IP116   1   1092
     Topical modules imputation flag #116
     Imputation of 'TM8443'
V   0 .Not imputed
V   1 .Imputed

D TM-IP117   1   1093
     Topical modules imputation flag #117
     Imputation of 'TM8444'
V   0 .Not imputed
V   1 .Imputed

D TM-IP118   1   1094
     Topical modules imputation flag #118
     Imputation of 'TM8445'
V   0 .Not imputed
V   1 .Imputed

D TM-IP119   1   1095
     Topical modules imputation flag #119
     Imputation of 'TM8454'
V   0 .Not imputed
V   1 .Imputed

D TM-IP120   1   1096
     Topical modules imputation flag #120
     Imputation of 'TM8456'
V   0 .Not imputed
V   1 .Imputed

D TM-IP121   1   1097
     Topical modules imputation flag #121
     Imputation of 'TM8460'
V   0 .Not imputed
V   1 .Imputed

D TM-IP122   1   1098
     Topical modules imputation flag #122
     Imputation of 'TM8462, TM8464,
     TM8466, TM8468, TM8470, TM8472'
V   0 .Not imputed
V   1 .Imputed

D TM-IP123   1   1099
     Topical modules imputation flag #123
     Imputation of 'TM8474'
V   0 .Not imputed
V   1 .Imputed

D TM-IP124   1   1100
     Topical modules imputation flag #124
     Imputation of 'TM8476'
V   0 .Not imputed
V   1 .Imputed

DATA   SIZE BEGIN

D TM-IP125   1   1101
     Topical modules imputation flag #125
     Imputation of 'TM8477'
V   0 .Not imputed
V   1 .Imputed

D TM-IP126   1   1102
     Topical modules imputation flag #126
     Imputation of 'TM8478'
V   0 .Not imputed
V   1 .Imputed

D TM-IP127   1   1103
     Topical modules imputation flag #127
     Imputation of 'TM8479'
V   0 .Not imputed
V   1 .Imputed

D TM-IP128   1   1104
     Topical modules imputation flag #128
     Imputation of 'TM8480'
V   0 .Not imputed
V   1 .Imputed

D TM-IP129   1   1105
     Topical modules imputation flag #129
     Imputation of 'TM8481'
V   0 .Not imputed
V   1 .Imputed

D TM-IP130   1   1106
     Topical modules imputation flag #130
     Imputation of 'TM8482'
V   0 .Not imputed
V   1 .Imputed

D TM-IP131   1   1107
     Topical modules imputation flag #131
     Imputation of 'TM8483'
V   0 .Not imputed
V   1 .Imputed

D TM-IP132   1   1108
     Topical modules imputation flag #132
     Imputation of 'TM8492'
V   0 .Not imputed
V   1 .Imputed

D TM-IP133   1   1109
     Topical modules imputation flag #133
     Imputation of 'TM8494'
V   0 .Not imputed
V   1 .Imputed

D TM-IP134   1   1110
     Topical modules imputation flag #134
     Imputation of 'TM8496'
V   0 .Not imputed
V   1 .Imputed

D TM-IP135   1   1111
     Topical modules imputation flag #135
     Imputation of 'TM8498'
V   0 .Not imputed
V   1 .Imputed

D TM-IP136   1   1112
     Topical modules imputation flag #136
     Imputation of 'TM8500'
V   0 .Not imputed
V   1 .Imputed

DATA	SIZE	BEGIN

D TM-IP137   1   1113
    Topical modules imputation flag #137
    Imputation of 'TM8502'
V   0 .Not imputed
V   1 .Imputed

D TM-IP138   1   1114
    Topical modules imputation flag #138
    Imputation of 'TM8504'
V   0 .Not imputed
V   1 .Imputed

D TM-IP139   1   1115
    Topical modules imputation flag #139
    Imputation of 'TM8506'
V   0 .Not imputed
V   1 .Imputed

D TM-IP140   1   1116
    Topical modules imputation flag #140
    Imputation of 'TM8508, TM8510'
V   0 .Not imputed
V   1 .Imputed TM8508
V   2 .Imputed TM8510
V   3 .Imputed TM8508 & TM8510

D TM-IP141   1   1117
    Topical modules imputation flag #141
    Imputation of 'TM8516'
V   0 .Not imputed
V   1 .Imputed

D TM-IP142   1   1118
    Topical modules imputation flag #142
    Imputation of 'TM8518'
V   0 .Not imputed
V   1 .Imputed

D TM-IP143   1   1119
    Topical modules imputation flag #143
    Imputation of 'TM8520'
V   0 .Not imputed
V   1 .Imputed

D TM-IP144   1   1120
    Topical modules imputation flag #144
    Imputation of 'TM8522'
V   0 .Not imputed
V   1 .Imputed

D TM-IP145   1   1121
    Topical modules imputation flag #145
    Imputation of 'TM8524'
V   0 .Not imputed
V   1 .Imputed

D TM-IPIND   1   1122
    Topical modules imputation flag,
    Imputation of 'industry'
V   0 .Not imputed
V   1 .Imputed

DATA	SIZE	BEGIN

D TM-IPOCP   1   1123
    Topical modules imputation flag,
    Imputation of 'occupation'
V   0 .Not imputed
V   1 .Imputed

```
****************************************
*  Calculation flag for retirement and  *
*  pension coverage                      *
****************************************
```

D TM-CAL03   1   1124
    Topical modules calculation flag #3
    Calculation of 'TM8420'
V   0 .Not calculated
V   1 .Calculated

D TM-CAL04   1   1125
    Topical modules calculation flag #4
    Calculation of 'TM8422'
V   0 .Not calculated
V   1 .Calculated

D TM-CAL05   1   1126
    Topical modules calculation flag #5
    Calculation of 'TM8450'
V   0 .Not calculated
V   1 .Calculated

D TM-CAL06   1   1127
    Topical modules calculation flag #6
    Calculation of 'TM8452'
V   0 .Not calculated
V   1 .Calculated

D TM-CAL07   1   1128
    Topical modules calculation flag #7
    Calculation of 'TM8474'
V   0 .Not calculated
V   1 .Calculated

D TM-CAL08   1   1129
    Topical modules calculation flag #8
    Calculation of 'TM8504'
V   0 .Not calculated
V   1 .Calculated

D TM-CAL09   1   1130
    Topical modules calculation flag #9
    Calculation of 'TM8506'
V   0 .Not calculated
V   1 .Calculated

D TM-CAL10   1   1131
    Topical modules calculation flag #10
    Calculation of 'TM8514'
V   0 .Not calculated
V   1 .Calculated

D FILLER   1   1132
    Zero Filler

SOURCE AND ACCURACY STATEMENT FOR THE 1990
PUBLIC USE FILES FROM THE SURVEY OF
INCOME AND PROGRAM PARTICIPATION

SOURCE OF DATA

The data were collected in the 1990 panel of the Survey of Income and Program Participation (SIPP). The SIPP universe is the noninstitutionalized resident population living in the United States. The population includes persons living in group quarters, such as dormitories, rooming houses, and religious group dwellings. Crew members of merchant vessels, Armed Forces personnel living in military barracks, and institutionalized persons, such as correctional facility inmates and nursing home residents, were not eligible to be in the survey. Also, United States citizens residing abroad were not eligible to be in the survey. Foreign visitors who work or attend school in this country and their families were eligible; all others were not eligible to be in the survey. With the exceptions noted above, persons who were at least 15 years of age at the time of the interview were eligible to be in the survey.

The 1990 panel of the SIPP sample is located in 230 Primary Sampling Units (PSUs) each consisting of a county or a group of contiguous counties. Within these PSUs, expected clusters of 2 living quarters (LQs) were systematically selected from lists of addresses prepared for the 1980 decennial census to form the bulk of the sample. To account for LQs built within each of the sample areas after the 1980 census, a sample was drawn of permits issued for construction of residential LQs up until shortly before the beginning of the panel. In jurisdictions that do not issue building permits, small land areas were sampled and the LQs within were listed by field personnel and then clusters of 4 LQs were subsampled. In addition, sample LQs were selected from supplemental frames that included LQs identified as missed in the 1980 Census and persons residing in group quarters at the time of the Census.

The 1990 panel differs from the other panels as a result of oversampling for low income. The oversample was constructed by taking a small subsample from the 1989 panel, and combing it with the 1990 panel. Variables such as race, ethnicity, and sex were used for the oversampling since low income data for 1989 panel households were unavailable. The 1989 panel subsample contains all Black Headed Households, all Hispanic Headed Households, all Households with Heads having no spouse present, living with relatives, and a random sample of all the other Household types. The latter random sample was done in an attempt to avoid bias in the sample.

Approximately 28,300 living quarters were designated for the 1990 panel. For Wave 1 of the 1990 panel, interviews were obtained from the occupants of about 21,900 of the 28,300 designated living quarters. Most of the remaining 6,400 living quarters in

the 1990 panel were found to be vacant, demolished, converted to nonresidential use, or otherwise ineligible for the survey. However, approximately 1,700 of the 6,400 living quarters in the 1990 panel were not interviewed because the occupants refused to be interviewed, could not be found at home, were temporarily absent, or were otherwise unavailable. Thus, occupants of about 93 percent of all eligible living quarters participated in Wave 1 of the Survey for the 1990 panel. Sample loss at Wave 1 of the 1990 Panel was about 7.1% and is expected to increase to roughly 22.0% at the end of Wave 8.

For Waves 2-8, only original sample persons (Those in Wave 1 sample households and interviewed in Wave 1) and persons living with them were eligible to be interviewed. With certain restrictions, original sample persons were to be followed if they moved to a new address. When original sample persons moved without leaving a forwarding address or moved to extremely remote parts of the country and no telephone number was available, additional noninterviews resulted.

Sample households within a given panel are divided into four subsamples of nearly equal size. These subsamples are called rotation groups 1, 2, 3, or 4 and one rotation group is interviewed each month. Each household in the sample was scheduled to be interviewed at 4 month intervals over a period of roughly 2 years beginning in February 1990. The reference period for the questions is the 4-month period preceding the interview month. In general, one cycle of four interviews covering the entire sample, using the same questionnaire, is called a wave.

A unique feature of the SIPP design is overlapping panels. The overlapping design allows panels to be combined and essentially doubles the sample sizes. However, the 1990 panel is designed so that the first three waves do not overlap with other panels. (The 1988 and 1989 panels were prematurely terminated to provide the funding needed to enlarge the 1990 panel and allow oversampling to take place.) After the third wave, the 1990 panel overlaps with the 1991 panel. Selected interviews for the 1990 panel can be combined with interviews from the 1991 panel. Information necessary to do this is included later in this statement.

The public use files include core and supplemental (topical module) data. Core questions are repeated at each interview over the life of the panel. Topical modules include questions which are asked only in certain waves. The 1990 and 1991 panel topical modules are given in tables 1 and 2 respectively.

Tables 3 and 4 indicate the reference months and interview months for the collection of data from each rotation group for the 1990 and 1991 panels respectively. For example, Wave 1 rotation group 2 of the 1990 panel was interviewed in February 1990 and data for

the reference months October 1989 through January 1990 were
collected.

Estimation. The estimation procedure used to derive SIPP person
weights involved several stages of weight adjustments. Each
person received a base weight equal to the inverse of his/her
probability of selection. A noninterview adjustment factor was
applied to the weight of every occupant of interviewed households
to account for households which were eligible for the sample but
were not interviewed. (Individual nonresponse within partially
interviewed households was treated with imputation. No special
adjustment was made for noninterviews in group quarters.) A
factor was applied to each interviewed person's weight to account
for the SIPP sample areas not having the same population
distribution as the strata from which they were selected.

An additional stage of adjustment to persons' weights was
performed to reduce the mean square error of the survey estimates
by ratio adjusting SIPP sample estimates to monthly Current
Population Survey (CPS) estimates[1] of the civilian (and some
military) noninstitutional population of the United States by
age, race, Spanish origin, sex, type of householder (married,
single with relatives, single without relatives), and
relationship to householder (spouse or other). The CPS estimates
were themselves brought into agreement with estimates from the
1980 decennial census which were adjusted to reflect births,
deaths, immigration, emigration, and changes in the Armed Forces
since 1980. Also, an adjustment was made so that a husband and
wife within the same household were assigned equal weights.

Use of Weights. Users should be forewarned to apply the
appropriate weights given on this file before attempting to
calculate estimates. The weights vary between units due to the
oversampling that took place. If analysis is done for the
general population without applying the appropriate weights, the
results will be erroneous. Each household and each person within
each household on each wave tape has five weights. Four of these
weights are reference month specific and therefore can be used
only to form reference month estimates. Reference month
estimates can be averaged to form estimates of monthly averages
over some period of time. For example, using the proper weights,
one can estimate the monthly average number of households in a
specified income range over November and December 1990. To
estimate monthly averages of a given measure (e.g., total, mean)
over a number of consecutive months, sum the monthly estimates
and divide by the number of months.

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[1]   These special CPS estimates are slightly different from
        the published monthly CPS estimates. The differences
        arise from forcing counts of husbands to agree with
        counts of wives.

The remaining weight is interview month specific. This weight can be used to form estimates that specifically refer to the interview month (e.g., total persons currently looking for work), as well as estimates referring to the time period including the interview month and all previous months (e.g., total persons who have ever served in the military).

To form an estimate for a particular month, use the reference month weight for the month of interest, summing over all persons or households with the characteristic of interest whose reference period includes the month of interest. Multiply the sum by a factor to account for the number of rotations contributing data for the month. This factor equals four divided by the number of rotations contributing data for the month. For example, December 1989 data is only available from rotations 2, 3, and 4 for Wave 1 of the 1990 panel (See table 3), so a factor of 4/3 (See Table 7) must be applied. To form an estimate for an interview month, use the procedure discussed above using the interview month weight provided on the file.

When estimates for months without four rotations worth of data are constructed from a wave file, factors greater than 1 must be applied. However, when core data from consecutive waves are used together, data from all four rotations may be available, in which case the factors are equal to 1.

These tapes contain no weight for characteristics that involve a person's or household's status over two or more months (e.g., number of households with a 50 percent increase in income between November and December 1990).

Producing Estimates for Census Regions and States. The total estimate for a region is the sum of the state estimates in that region. Using this sample, estimates for individual states are subject to very high variance and are not recommended. The state codes on the file are primarily of use for linking respondent characteristics with appropriate contextual variables (e.g., state-specific welfare criteria) and for tabulating data by user-defined groupings of states.

Producing Estimates for the Metropolitan Population. For Washington, DC and 11 states, metropolitan or non-metropolitan residence is identified (variable H*-METRO). In 34 additional states, where the non-metropolitan population in the sample was small enough to present a disclosure risk, a fraction of the metropolitan sample was recoded to be indistinguishable from non-metropolitan cases (H*-METRO=2). In these states, therefore, the cases coded as metropolitan (H*-METRO=1) represent only a subsample of that population.

In producing state estimates for a metropolitan characteristic, multiply the individual, family, or household weights by the

metropolitan inflation factor for that state, presented in table 5. (This inflation factor compensates for the subsampling of the metropolitan population and is 1.0 for the states with complete identification of the metropolitan population.)

The same procedure applies when creating estimates for particular identified MSA's or CMSA's--apply the factor appropriate to the state. For multi-state MSA's, use the factor appropriate to each state part. For example, to tabulate data for the Washington, DC-MD-VA MSA, apply the Virginia factor of 1.0521 to weights for residents of the Virginia part of the MSA; Maryland and DC residents require no modification to the weights (i.e., their factors equal 1.0).

In producing regional or national estimates of the metropolitan population, it is also necessary to compensate for the fact that no metropolitan subsample is identified within two states (Mississippi and West Virginia) and one state-group (North Dakota - South Dakota - Iowa). Thus, factors in the right-hand column of table 5 should be used for regional and national estimates. The results of regional and national tabulations of the metropolitan population will be biased slightly. However, less than one-half of one percent of the metropolitan population is not represented.

Producing Estimates for the Non-Metropolitan Population. State, regional, and national estimates of the non-metropolitan population cannot be computed directly, except for Washington, DC and the 11 states where the factor for state tabulations in table 5 is 1.0. In all other states, the cases identified as not in the metropolitan subsample (METRO=2) are a mixture of non-metropolitan and metropolitan households. Only an indirect method of estimation is available: first compute an estimate for the total population, then subtract the estimate for the metropolitan population. The results of these tabulations will be slightly biased.

Combined Panel Estimates. Both the 1990 and 1991 panels provide data for October 1990-August 1992. Thus, estimates for these time periods may be obtained by combining the corresponding panels. However, since the Wave 1 questionnaire differs from the subsequent waves' questionnaire, we recommend that estimates not be obtained by combining Wave 1 data of the 1991 panel (collected February - May of 1991) with data of the 1990 panel. In this case, use the estimate obtained from either panel. Additionally, even for other waves, care should be taken when combining data from two panels since questionnaires for the two panels differ somewhat and since the length of time in sample for interviews from the two panels differ.

Combined panel estimates may be obtained either (1) by combining estimates derived separately for the two panels or (2) by first combining data from the two files and then producing an estimate.

1. Combining Separate Estimates

Corresponding estimates from two consecutive year panels can be combined to create joint estimates by using the formula

$$\hat{J} = W\hat{J}_1 + (1-W)\hat{J}_2 \qquad (A)$$

$\hat{J}$ = joint estimate (total, mean, proportion, etc);

$\hat{J}_1$ = estimate from the earlier panel;

$\hat{J}_2$ = estimate from the later panel;

W = weighting factor of the earlier panel.

To combine the 1990 and 1991 panels use a W value of 0.608 unless one of the panels contributes no information to the estimate. In that case, the panel contributing information receives a factor of 1. The other receives a factor of zero.

2. Combining Data from Separate Files

Start by first creating a file containing the data from the two panel files. Apply the weighting factor, W, to the weight of each person from the earlier panel and apply (1-W) to the weight of each person from the later panel. Estimates can then be produced using the same methodology as used to obtain estimates from a single panel.

Illustration for computing combined panel estimate.

Suppose SIPP estimates for Wave 5 of the 1990 panel show that there were 441,000 households with monthly December income above $6000. Also, suppose SIPP estimates for Wave 2 of the 1991 panel show that there were 435,000 households with monthly December income above $6000. Using formula (A), the joint level estimate is

$$\hat{J} = (0.608)(441,000) + (0.392)(435,000)$$

$$= 438,648$$

ACCURACY OF THE ESTIMATES

SIPP estimates obtained from public use files are based on a sample; they may differ somewhat from the figures that would have been obtained if a complete census had been taken using the same questionnaire, instructions, and enumerators. There are two types of errors possible in an estimate based on a sample survey: nonsampling and sampling. The magnitude of SIPP sampling error can be estimated, but this is not true of nonsampling error. Found below are descriptions of sources of SIPP nonsampling error, followed by discussions of sampling error, its estimation, and its use in data analysis. More detailed discussions of the existence and control of nonsampling errors in the SIPP can be found in the <u>Quality Profile for the Survey of Income and Program Participation</u>, May 1990, by Jabine, assisted by King and Petroni.

Nonsampling Variability. Nonsampling errors can be attributed to many sources, e.g., inability to obtain information about all cases in the sample, definitional difficulties, differences in the interpretation of questions, inability or unwillingness on the part of the respondents to provide correct information, inability to recall information, errors made in collection such as in recording or coding the data, errors made in processing the data, errors made in estimating values for missing data, biases resulting from the differing recall periods caused by the rotation pattern used and failure to represent all units within the universe (undercoverage). Quality control and edit procedures were used to reduce errors made by respondents, coders and interviewers.

Undercoverage in SIPP results from missed living quarters and missed persons within sample households. It is known that undercoverage varies with age, race, and sex. Generally, undercoverage is larger for males than for females and larger for blacks than for nonblacks. Ratio estimation to independent age-race-sex population controls partially corrects for the bias due to survey undercoverage. However, biases exist in the estimates to the extent that persons in missed households or missed persons in interviewed households have different characteristics than the interviewed persons in the same age-race-Spanish origin-sex group. Further, the independent population controls used have not be adjusted for undercoverage.

Some respondents do not respond to some of the questions. Therefore, the overall nonresponse rate for some items such as income and other money related items is higher than the nonresponse rates presented on page 2. The Bureau uses complex techniques to adjust the weights for nonresponse, but the success of these techniques in avoiding bias is unknown.

Comparability With Other Statistics. Caution should be exercised when comparing data from these files with data from other SIPP products or with data from other surveys. The comparability problems are caused by sources such as the seasonal patterns for many characteristics, definitional differences, and different nonsampling errors.

Sampling Variability. Standard errors indicate the magnitude of the sampling variability. They also partially measure the effect of some nonsampling errors in response and enumeration, but do not measure any systematic biases in the data. The standard errors for the most part measure the variations that occurred by chance because a sample rather than the entire population was surveyed.

Confidence Intervals. The sample estimate and its standard error enable one to construct confidence intervals, ranges that would include the average result of all possible samples with a known probability. For example, if all possible samples were selected, each of these being surveyed under essentially the same conditions and using the same sample design, and if an estimate and its standard error were calculated from each sample, then:

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average result of all possible samples.

2. Approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average result of all possible samples.

3. Approximately 95 percent of the intervals from two standard errors below the estimate to two standard errors above the estimate would include the average result of all possible samples.

The average estimate derived from all possible samples is or is not contained in any particular computed interval. However, for a particular sample, one can say with a specified confidence that the average estimate derived from all possible samples is included in the confidence interval.

Hypothesis Testing. Standard errors may also be used for hypothesis testing, a procedure for distinguishing between population parameters using sample estimates. The most common types of hypotheses tested are 1) the population parameters are identical versus 2) they are different. Tests may be performed at various levels of significance, where a level of significance is the probability of concluding that the parameters are different when, in fact, they are identical.

To perform the most common hypothesis test, compute the difference $X_A - X_B$, where X_A and X_B are sample estimates of the parameters of interest. A later section explains how to derive an estimate of the standard error of the difference $X_A - X_B$. Let that standard error be s_{DIFF}. If $X_A - X_B$ is between -1.6 times s_{DIFF} and $+1.6$ times s_{DIFF}, no conclusion about the parameters is justified at the 10 percent significance level. If on the other hand, $X_A - X_B$ is smaller than -1.6 times s_{DIFF} or larger than $+1.6$ times s_{DIFF}, the observed difference is significant at the 10 percent level. In this event, it is commonly accepted practice to say that the parameters are different. Of course, sometimes this conclusion will be wrong. When the parameters are, in fact, the same, there is a 10 percent chance of concluding that they are different.

Note when using small estimates. Because of the large standard errors involved, there is little chance that summary measures would reveal useful information when computed on a smaller base than 200,000. Also, care must be taken in the interpretation of small differences. For instance, in case of a borderline difference, even a small amount of nonsampling error can lead to a wrong decision about the hypotheses, thus distorting a seemingly valid hypothesis test.

Standard Error Parameters and Tables and Their Use. Most SIPP estimates have greater standard errors than those obtained through a simple random sample because clusters of living quarters are sampled. To derive standard errors that would be applicable to a wide variety of estimates and could be prepared at a moderate cost, a number of approximations were required. Estimates with similar standard error behavior were grouped together and two parameters (denoted "a" and "b") were developed to approximate the standard error behavior of each group of estimates. These "a" and "b" parameters are used in estimating standard errors and vary by type of estimate and by subgroup to which the estimate applies. Table 6 provides base "a" and "b" parameters to be used for estimates obtained from core data and for some estimates from topical module data. **These parameters are considered preliminary. Revised parameters are soon to follow.**

The factors provided in table 7 when multiplied by the base parameters of table 6 for a given subgroup and type of estimate give the "a" and "b" parameters for that subgroup and estimate type for the specified reference period. For example, the base "a" and "b" parameters for total number of households are -0.0000664 and $6,043$, respectively. For Wave 1 the factor for October 1989 is 4.0000 since only 1 rotation month of data is available. So, the "a" and "b" parameters for total household income in October 1989 based on Wave 1 are -0.0002656 and $24,172$, respectively. Also for Wave 1, the factor for the first quarter of 1990 is 1.2222 since 9 rotation months of data are available

(rotations 1 and 4 provide 3 rotations months each, while rotations 2 and 3 provide 1 and 2 rotation months, respectively). So, the "a" and "b" parameters for total number of households in the first quarter of 1990 are -0.0000812 and 7,386, respectively for Wave 1.

The "a" and "b" parameters may be used to calculate the standard error for estimated numbers and percentages. Because the actual standard error behavior was not identical for all estimates within a group, the standard errors computed from these parameters provide an indication of the order of magnitude of the standard error for any specific estimate. Methods for using these parameters for computation of approximate standard errors are given in the following sections.

For those users who wish further simplification, we have also provided preliminary general standard errors in tables 8 through 11 for making estimates with the use of data from all four rotations. Note that these standard errors must be adjusted by a factor (f) from table 6. The standard errors resulting from this simplified approach are less accurate. Methods for using these parameters and tables for computation of standard errors are given in the following sections. Standard errors provided in tables 8 through 11 will change when revised parameters are available.

For the 1990, 1991 combined panel parameters, multiply the parameters in table 6 by the forthcoming appropriate factor from table 15. The factors later provided in table 16 adjust parameters for the number of rotation months available for a given estimate. These factors, when multiplied by the combined panel parameters derived from table 6 for a given subgroup and type of estimate, give the "a" and "b" parameters for that subgroup and estimate type for the specified combined reference period.

For calculating 1990 topical module variances, table 12 is designated to later provide base "a" and "b" parameters. Table 13 also in the near future will provide base "a" and "b" parameters for computing the 1990, 1991 combined panel topical module variances. These parameters will also be provided when revised generalized variance parameters are available.

Procedures for calculating standard errors for the types of estimates most commonly used are described below. Note specifically that these procedures apply only to reference month estimates or averages of reference month estimates. Refer to the section "Use of Weights" for a more detailed discussion of the construction of estimates. Stratum codes and half sample codes are included on the tapes to enable the user to compute the variances directly by methods such as balanced repeated replications (BRR). William G. Cochran provides a list of

references discussing the application of this technique. (See Sampling Techniques, 3rd Ed., New York: John Wiley and Sons, 1977, p. 321.)

Standard Errors of estimated numbers. The approximate standard error, s_x, of an estimated number of persons, households, families, unrelated individuals and so forth, can be obtained in two ways. Both apply when data from all four rotations are used to make the estimate. However, only the second method should be used when less than four rotations of data are available for the estimate. Note that neither method should be applied to dollar values.

It may be obtained by the use of the formula

$$s_x = fs \tag{1}$$

where f is the appropriate "f" factor from table 6, and s is the standard error on the estimate obtained by interpolation from table 8 or 9. Alternatively, s_x may be approximated by the formula

$$s_x = \sqrt{ax^2 + bx} \tag{2}$$

from which the standard errors in tables 8 and 9 were calculated. Here x is the size of the estimate and "a" and "b" are the parameters associated with the particular type of characteristic being estimated. Use of formula 2 will provide more accurate results than the use of formula 1.

Illustration.

Suppose SIPP estimates for Wave 1 of the 1990 panel show that there were 472,000 households with monthly household income above $6,000. The appropriate parameters and factor from table 6 and the appropriate general standard error from table 8 are

   a = -0.0000664   b = 6,043   f = 1.00   s = 53,300

Using formula 1, the approximate standard error is

    s_x = 53,300

Using formula 2, the approximate standard error is

$$\sqrt{(-0.0000664)(472,000)^2 + (6,043)(472,000)} = 53,300$$

Using the standard error based on formula 2, the approximate 90-percent confidence interval as shown by the data is from 387,000 to 557,000. Therefore, a conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 90% of all samples.

Illustration for computing standard errors for combined panel estimates. Will be provided when combining factors are available.

Standard Error of a Mean. A mean is defined here to be the average quantity of some item (other than persons, families, or households) per person, family or household. For example, it could be the average monthly household income of females age 25 to 34. The standard error of a mean can be approximated by formula 3 below. Because of the approximations used in developing formula 3, an estimate of the standard error of the mean obtained from this formula will generally underestimate the true standard error. The formula used to estimate the standard error of a mean $\overline{x}$ is

$$s_{\overline{x}} = \sqrt{\left(\frac{b}{y}\right)s^2} \qquad (3)$$

where y is the size of the base, s^2 is the estimated population variance of the item and b is the parameter associated with the particular type of item.

The population variance s^2 may be estimated by one of two methods. In both methods we assume x_i is the value of the item for unit i. (Unit may be person, family, or household). To use the first method, the range of values for the item is divided into c intervals. The upper and lower boundaries of interval j are Z_{j-1} and Z_j, respectively. Each unit is placed into one of c groups such that $Z_{j-1} < x_i \leq Z_j$.

The estimated population variance, s^2, is given by the formula:

$$s^2 = \sum_{j=1}^{c} p_j m_j^2 - \overline{x}^2, \qquad (4)$$

where p_j is the estimated proportion of units in group j, and $m_j = (Z_{j-1} + Z_j)/2$. The most representative value of the item in group j is assumed to be m_j. If group c is open-ended, i.e., no upper interval boundary exists, then an approximate value for m_c is

$$m_c = \frac{3}{2} Z_{c-1}.$$

The mean, $\overline{x}$ can be obtained using the following formula:

$$\overline{x} = \sum_{j=1}^{c} p_j m_j.$$

In the second method, the estimated population variance is given by

$$s^2 = \frac{\sum_{i=1}^{n} w_i x_i^2}{\sum_{i=1}^{n} w_i} - \overline{x}^2, \qquad (5)$$

where there are n units with the item of interest and w_i is the final weight for unit i. The mean, $\overline{x}$, can be obtained from the formula

$$\overline{X} = \frac{\sum_{i=1}^{n} W_i X_i}{\sum_{i=1}^{n} W_i} \, .$$

When forming combined estimates using formula (A), s^2, given by formula (4), should be calculated by forming a distribution for each panel. The range of values for the item will be divided into intervals. Combined estimates for each interval can be obtained using formula (A). Formula (4) can be applied to the combined distribution. To calculate $\overline{X}$ and s^2 given by formula (5), replace x_i by Wx_i for x_i from the earlier panel and $(1-W)x_i$ for x_i from the later panel.

Illustration.

Suppose that based on Wave 1 data, the distribution of monthly cash income for persons age 25 to 34 during the month of January 1988 is given in table 14.

Using formula 4 and the mean monthly cash income of $2,530 the approximate population variance, s^2, is

$$s^2 = \left(\frac{1,371}{39,851}\right)(150)^2 + \left(\frac{1,651}{39,851}\right)(450)^2 + \ldots + $$

$$\left(\frac{1,493}{39,851}\right)(9,000)^2 - (2,530)^2 = 3,159,887.$$

Using formula 3, the appropriate base "b" parameter and factor from table 6, the estimated standard error of a mean $\overline{X}$ is

$$s_{\overline{X}} = \sqrt{\left(\frac{4,890}{39,851,000}\right)(3,159,887)} = \$20$$

Standard error of an aggregate. An aggregate is defined to be the total quantity of an item summed over all the units in a group. The standard error of an aggregate can be approximated using formula 6.

As with the estimate of the standard error of a mean, the
estimate of the standard error of an aggregate will generally
underestimate the true standard error. Let y be the size of the
base, s^2 be the estimated population variance of the item
obtained using formula (4) or (5) and b be the parameter
associated with the particular type of item. The standard error
of an aggregate is:

$$s_x = \sqrt{(b)\ (y)\ s^2} \tag{6}$$

Standard Errors of Estimated Percentages. The reliability of an
estimated percentage, computed using sample data for both
numerator and denominator, depends upon both the size of the
percentage and the size of the total upon which the percentage is
based. Estimated percentages are relatively more reliable than
the corresponding estimates of the numerators of the percentages,
particularly if the percentages are 50 percent or more, e.g., the
percent of people employed is more reliable than the estimated
number of people employed. When the numerator and denominator of
the percentage have different parameters, use the parameter (and
appropriate factor) of the numerator. If proportions are
presented instead of percentages, note that the standard error of
a proportion is equal to the standard error of the corresponding
percentage divided by 100.

There are two types of percentages commonly estimated. The first
is the percentage of persons, families or households sharing a
particular characteristic such as the percent of persons owning
their own home. The second type is the percentage of money or
some similar concept held by a particular group of persons or
held in a particular form. Examples are the percent of total
wealth held by persons with high income and the percent of total
income received by persons on welfare.

For the percentage of persons, families, or households, the
approximate standard error, $s_{(x,p)}$, of the estimated percentage p
can be obtained by the formula

$$s_{(x,p)} = fs \tag{7}$$

when data from all four rotations are used to estimate p. In
this formula, f is the appropriate "f" factor from table 6 and s
is the standard error of the estimate from table 10 or 11.

Alternatively, it may be approximated by the formula

$$S_{(x,p)} = \sqrt{\frac{b}{x}\,(p)\,(100-p)}$$ (8)

from which the standard errors in tables 10 and 11 were calculated. Here x is the size of the subclass of social units which is the base of the percentage, p is the percentage (0<p<100), and b is the parameter associated with the characteristic in the numerator. Use of this formula will give more accurate results than use of formula 7 above and should be used when data from less than four rotations are used to estimate p.

Illustration.

Suppose that, in the month of January 1990, 6.7 percent of the 16,812,000 persons in nonfarm households with a mean monthly household cash income of $4,000 to $4,999, were black. Using formula 8 and the "b" parameter of 4,755 from table 6 and a factor of 1 for the month of January 1990 from table 7, the approximate standard error is

$$\sqrt{\frac{4,755}{(16,812,000)}\,(6.7)\,(100-6.7)} = 0.42 percent$$

consequently, the 90 percent confidence interval as shown by these data is from 6.0 to 7.4 percent.

For percentages of money, a more complicated formula is required. A percentage of money will usually be estimated in one of two ways. It may be the ratio of two aggregates:

$$p_I = 100\,(X_A / X_N)$$

or it may be the ratio of two means with an adjustment for different bases:

$$p_I = 100\,(\hat{p}_A\,\overline{X}_A / \overline{X}_N)$$

where x_A and x_N are aggregate money figures, $\bar{x}_A$ and $\bar{x}_N$ are mean money figures, and $\hat{p}_A$ is the estimated number in group A divided by the estimated number in group N. In either case, we estimate the standard error as

$$s_I = \sqrt{\left(\frac{\hat{p}_A \bar{x}_A}{\bar{x}_N}\right)^2 \left[\left(\frac{s_p}{\hat{p}_A}\right)^2 + \left(\frac{s_A}{\bar{x}_A}\right)^2 + \left(\frac{s_B}{\bar{x}_N}\right)^2\right]} \,, \tag{9}$$

where s_p is the standard error of $\hat{p}_A$, s_A is the standard error of $\bar{x}_A$ and s_B is the standard error of $\bar{x}_N$. To calculate s_p, use formula 8. The standard errors of $\bar{x}_N$ and $\bar{x}_A$ may be calculated using formula 3.

It should be noted that there is frequently some correlation between $\hat{p}_A$, $\bar{x}_N$, and $\bar{x}_A$. Depending on the magnitude and sign of the correlations, the standard error will be over or underestimated.

Illustration.

Suppose that in January 1990, 9.8% of the households own rental property, the mean value of rental property is $72,121, the mean value of assets is $78,734, and the corresponding standard errors are 0.25%, $4678, and $2287. In total there are 86,790,000 households. Then, the percent of all household assets held in rental property is

$$= 100 \left((0.098)\frac{72121}{78734}\right) = 9.0\%$$

Using formula (9), the appropriate standard error is

$$s_x = \sqrt{\left(\frac{(0.098)(72121)}{78734}\right)^2 \left[\left(\frac{0.0025}{0.098}\right)^2 + \left(\frac{4678}{72121}\right)^2 + \left(\frac{2287}{78734}\right)^2\right]}$$

$$= 0.007$$

$$= 0.7\%$$

Standard Error of a Difference. The standard error of a difference between two sample estimates is approximately equal to

$$s_{(x-y)} = \sqrt{s_x^2 + s_y^2} \tag{10}$$

where s_x and s_y are the standard errors of the estimates x and y. The estimates can be numbers, percents, ratios, etc. The above formula assumes that the correlation coefficient between the characteristics estimated by x and y is zero. If the correlation is really positive (negative), then this assumption will tend to cause overestimates (underestimates) of the true standard error.

Illustration.

Suppose that SIPP estimates show the number of persons age 35-44 years with monthly cash income of \$4,000 to \$4,999 was 3,186,000 in the month of January 1990 and the number of persons age 25-34 years with monthly cash income of \$4,000 to \$4,999 in the same time period was 2,619,000. Then, using parameters from table 6 and formula 2, the standard errors of these numbers are approximately 124,000 and 112,000, respectively. The difference in sample estimates is 567,000 and, using formula 10, the approximate standard error of the difference is

$$\sqrt{(124,000)^2 + (112,000)^2} = 167,000$$

Suppose that it is desired to test at the 10 percent significance level whether the number of persons with monthly cash income of \$4,000 to \$4,999 was different for persons age 35-44 years than for persons age 25-34 years. To perform the test, compare the difference of 567,000 to the product 1.6 x 167,000 = 267,200. Since the difference is greater than 1.6 times the standard error of the difference, the data show that the two age groups are significantly different at the 10 percent significance level.

Standard Error of a Median. The median quantity of some item such as income for a given group of persons, families, or households is that quantity such that at least half the group have as much or more and at least half the group have as much or less. The sampling variability of an estimated median depends upon the form of the distribution of the item as well as the size of the group. To calculate standard errors on medians, the procedure described below may be used.

An approximate method for measuring the reliability of an estimated median is to determine a confidence interval about it. (See the section on sampling variability for a general discussion of confidence intervals.) The following procedure may be used to estimate the 68-percent confidence limits and hence the standard error of a median based on sample data.

1. Determine, using either formula 7 or formula 8, the standard error of an estimate of 50 percent of the group;

2. Add to and subtract from 50 percent the standard error determined in step 1;

3. Using the distribution of the item within the group, calculate the quantity of the item such that the percent of the group owning more is equal to the smaller percentage found in step 2. This quantity will be the upper limit for the 68-percent confidence interval. In a similar fashion, calculate the quantity of the item such that the percent of the group owning more is equal to the larger percentage found in step 2. This quantity will be the lower limit for the 68-percent confidence interval;

4. Divide the difference between the two quantities determined in step 3 by two to obtain the standard error of the median.

To perform step 3, it will be necessary to interpolate. Different methods of interpolation may be used. The most common are simple linear interpolation and Pareto interpolation. The appropriateness of the method depends on the form of the distribution around the median. If density is declining in the area, then we recommend Pareto interpolation. If density is fairly constant in the area, then we recommend linear interpolation. Note, however, that Pareto interpolation can never be used if the interval contains zero or negative measures of the item of interest. Interpolation is used as follows. The quantity of the item such that "p" percent own more is

$$X_{PN} = \exp\left[\left(Ln\left(\frac{PN}{N_1}\right) \quad Ln\left(\frac{N_2}{N_1}\right)\right) \; Ln\left(\frac{A_2}{A_1}\right)\right] A_1 \qquad (11)$$

if Pareto Interpolation is indicated and

$$X_{PN} = \left[\frac{PN - N_1}{N_2 - N_1} \; (A_2 - A_1) + A_1\right] \qquad (12)$$

if linear interpolation is indicated, where N is the size of the group,

A_1 and A_2	are the lower and upper bounds, respectively, of the interval in which X_{PN} falls,
N_1 and N_2	are the estimated number of group members owning more than A_1 and A_2, respectively,
exp	refers to the exponential function and
Ln	refers to the natural logarithm function.

Illustration.

To illustrate the calculations for the sampling error on a median, we return to table 14. The median monthly income for this group is $2,158. The size of the group is 39,851,000.

1. Using formula 8, the standard error of 50 percent on a base of 39,851,000 is about 0.6 percentage points.

2. Following step 2, the two percentages of interest are 49.4 and 50.6.

3. By examining table 14, we see that the percentage 49.4 falls in the income interval from 2000 to 2499. (Since 55.5% receive more than $2,000 per month, the dollar value corresponding to 49.4 must be between $2,000 and $2,500). Thus, A_1 = $2,000, A_2 = $2,500, N_1 = 22,106,000, and N_2 = 16,307,000.

In this case, we decided to use Pareto interpolation. Therefore, the upper bond of a 68% confidence interval for the median is

$$\$2,000 \, \exp\left[\left(Ln\left(\frac{(.494)(39,851,000)}{22,106,000}\right) \quad Ln\left(\frac{16,307,000}{22,106,000}\right)\right)Ln\left(\frac{2,500}{2,000}\right)\right] = \$2177$$

Also by examining table 14, we see that 50.6 falls in the same income interval. Thus, A_1, A_2, N_1 and N_2 are the same. We also use Pareto interpolation for this case. So the lower bound of a 68% confidence interval for the median is

$$\$2,000 \, \exp\left[\left(Ln\left(\frac{(.506)(39,851,000)}{22,106,000}\right) \quad Ln\left(\frac{16,307,000}{22,106,000}\right)\right)Ln\left(\frac{2,500}{2,000}\right)\right] = \$2137$$

Thus, the 68-percent confidence interval on the estimated median is from $2137 to $2177. An approximate standard error is

$$\frac{\$2177 - \$2137}{2} = \$20$$

Standard Errors of Ratios of Means and Medians. The standard error for a ratio of means or medians is approximated by:

$$s_{\frac{x}{y}} = \sqrt{\left(\frac{x}{y}\right)^2 \left[\left(\frac{s_y}{y}\right)^2 + \left(\frac{s_x}{x}\right)^2\right]} \qquad (13)$$

where x and y are the means or medians, and s_x and s_y are their associated standard errors. Formula 13 assumes that the means are not correlated. If the correlation between the population means estimated by x and y are actually positive (negative), then this procedure will tend to produce overestimates (underestimates) of the true standard error for the ratio of means.

SMD:DButler:sc:DBUT133

Table 1. 1990 Panel Topical Modules

Wave	Topical Module
1	None
2	Recipiency History Employment History Work Disability History Education and Training History Marital History Migration History Fertility History Household Relationships
3	Child Care Arrangements Child Support Agreements Support of Non-household Members Utilization of Health Care Services Functional Limitations & Disability Work Schedule
4	Assets & Liabilities Retirement Expectations & Pensions Plan Coverage Real Estate, Property, and Vehicles
5	Taxes Annual Income and Retirement Accounts School Enrollment and Financing
6	Child Support Agreements Support of Non-household Members Utilization of Health Care Services Functional Limitations & Disability Not in Labor Force Spells
7	Selected Financial Assets Medical Expenses & Work Disability Real Estate Shelter Costs Dependent Care Vehicles
8	Annual Income & Retirement Accounts Taxes School Enrollment & Financing

Table 2. 1991 Panel Topical Modules for Waves 1 through 5[1]

Wave	Topical Module
1	None
2	Welfare History Recipiency History Employment History Work Disability History Education and Training History Marital History Migration History Fertility History Household Relationships
3	Work Schedule Child Care Arrangements Child Support Agreements Support for Non-household Members Functional Limitations & Disability Utilization of Health Care Services
4	Selected Financial Assets Medical Expenses & Work Disability Real Estate Shelter Costs Dependent Care Vehicles
5	Taxes Annual Income and Retirement Accounts School Enrollment and Financing

[1]   Topical Modules for waves 6 through 8 are not yet available.

Table 3. Reference Months for Each Interview Month - 1990 Panel

Reference Period

Month of Interview	Wave/ Rotation	4th Quarter (1989) Oct Nov Dec			1st Quarter (1990) Jan Feb Mar			2nd Quarter (1990) Apr May Jun			3rd Quarter (1990) Jul Aug Sep			4th Quarter (1990) Oct Nov Dec			...	2nd Quarter (1992) Apr May Jun			3rd Quarter (1992) Jul Aug Sep		
Feb 90	1/2	X	X	X	X																		
Mar	1/3		X	X	X	X																	
Apr	1/4			X	X	X	X																
May	1/1				X	X	X	X															
Jun	2/2					X	X	X	X														
Jul	2/3						X	X	X	X													
Aug	2/4							X	X	X	X												
Sept	2/1								X	X	X	X											
Oct	3/2									X	X	X	X										
Nov	3/3										X	X	X	X									
Dec	3/4											X	X	X	X								
.														X	.	.							
.															.	.	...						
.																	...	.					
Sept 92	8/1																		X	X		X	X	

Table 4. Reference Months for Each Interview Month - 1991 Panel

Reference Period

Month of Interview	Wave/ Rotation	4th Quarter (1990) Oct Nov Dec			1st Quarter (1991) Jan Feb Mar			2nd Quarter (1991) Apr May Jun			3rd Quarter (1991) Jul Aug Sep			4th Quarter (1991) Oct Nov Dec			...	2nd Quarter (1993) Apr May Jun			3rd Quarter (1993) Jul Aug Sep		
Feb 91	1/2	X	X	X	X																		
Mar	1/3		X	X	X	X																	
Apr	1/4			X	X	X	X																
May	1/1				X	X	X	X															
Jun	2/2					X	X	X	X														
Jul	2/3						X	X	X	X													
Aug	2/4							X	X	X	X												
Sept	2/1								X	X	X	X											
Oct	3/2									X	X	X	X										
Nov	3/3										X	X	X	X									
Dec	3/4											X	X	X	X								
.														.	.	.							
.																.	...						
.																	...	.					
Sept 93	8/1																		X	X		X	X

Table 5. Metropolitan Subsample Factors to be Applied to Compute National and Subnational Estimates

		Factors for use in State or CMSA (MSA) Tabulations	Factors for use in Regional or National Tabulations
Northeast:	Connecticut	1.0387	1.0387
	Maine	1.2219	1.2219
	Massachusetts	1.0000	1.0000
	New Hampshire	1.2234	1.2234
	New Jersey	1.0000	1.0000
	New York	1.0000	1.0000
	Pennsylvania	1.0096	1.0096
	Rhode Island	1.2506	1.2506
	Vermont	1.2219	1.2219
Midwest:	Illinois	1.0000	1.0110
	Indiana	1.0336	1.0450
	Iowa	---	---
	Kansas	1.2912	1.3055
	Michigan	1.0328	1.0442
	Minnesota	1.0366	1.0480
	Missouri	1.0756	1.0874
	Nebraska	1.6289	1.6468
	North Dakota	---	---
	Ohio	1.0233	1.0346
	South Dakota	---	---
	Wisconsin	1.0188	1.0300
South:	Alabama	1.1574	1.1595
	Arkansas	1.6150	1.6179
	Delaware	1.5593	1.5621
	D.C.	1.0000	1.0018
	Florida	1.0140	1.0158
	Georgia	1.0142	1.0160
	Kentucky	1.2120	1.2142
	Louisana	1.0734	1.0753
	Maryland	1.0000	1.0018
	Mississippi	---	---
	North Carolina	1.0000	1.0018
	Oklahoma	1.0793	1.0812
	South Carolina	1.0185	1.0203
	Tennessee	1.0517	1.0536
	Texas	1.0113	1.0131
	Virginia	1.0521	1.0540
	West Virginia	---	---

- indicates no metropolitan subsample is identified for the state

		Factors for use in State or CMSA (MSA) Tabulations	Factors for use in Regional or National Tabulations
West:	Alaska	1.4339	1.4339
	Arizona	1.0117	1.0117
	California	1.0000	1.0000
	Colorado	1.1306	1.1306
	Hawaii	1.0000	1.0000
	Idaho	1.4339	1.4339
	Montana	1.4339	1.4339
	Nevada	1.0000	1.0000
	New Mexico	1.0000	1.0000
	Oregon	1.1317	1.1317
	Utah	1.0000	1.0000
	Washington	1.0456	1.0456
	Wyoming	1.4339	1.4339

- indicates no metropolitan subsample is identified for the state

Table 6: SIPP Generalized Variance Parameters for 1990 Panel Public Use File -- Preliminary *

Characteristics	Parameters		
TOTAL PERSONS	a	b	f
16+ Program Participation and Benefits, Poverty (3)			
Both Sexes	-0.0000843	14344	0.90
Male	-0.0001772	14344	
Female	-0.0001604	14344	
16+ Income and Labor Force (5)			
Both Sexes	-0.0000287	4890	0.52
Male	-0.0000605	4890	
Female	-0.0000547	4890	
16+ Pension Plan ** (4)			
Both Sexes	-0.0000525	8956	0.71
Male	-0.0001108	8956	
Female	-0.0001001	8956	
All Others * (6)**			
Both Sexes	-0.0000771	17784	1.00
Male	-0.0001595	17784	
Female	-0.0001493	17784	
WHITE PERSONS			
16+ Program Participation and Benefits, Poverty (3)			
Both Sexes	-0.0000934	15898	0.95
Male	-0.0001964	15898	
Female	-0.0001778	15898	
16+ Income and Labor Force (5)			
Both Sexes	-0.0000318	5420	0.55
Male	-0.0000670	5420	
Female	-0.0000606	5420	
16+ Pension Plan ** (4)			
Both Sexes	-0.0000582	9926	0.75
Male	-0.0001228	9926	
Female	-0.0001110	9926	
All Others * (6)**			
Both Sexes	-0.0000855	19710	1.05
Male	-0.0001768	19710	
Female	-0.0001655	19710	

Characteristics	Parameters		
BLACK PERSONS	**a**	**b**	**f**
Poverty (1)			
Both Sexes	-0.0003182	8843	0.71
Male	-0.0006793	8843	
Female	-0.0005987	8843	
All Others * (2)**			
Both Sexes	-0.0001723	4755	0.52
Male	-0.0003704	4755	
Female	-0.0003223	4755	
HISPANIC PERSONS			
Poverty (1)			
Both Sexes	-0.0000609	10374	0.76
Male	-0.0001282	10374	
Female	-0.0001160	10374	
All Others * (2)**			
Both Sexes	-0.0002294	4755	0.52
Male	-0.0004589	4755	
Female	-0.0006727	4755	
HOUSEHOLDS			
Total	-0.0000641	6043	1.00
White	-0.0000823	6698	1.05
Black	-0.0002888	3018	0.71
Hispanics	-0.0005290	3018	0.71

* For cross-tabulations, use the parameters of the characteristic with the smaller number within the parentheses.

** Use the "16+ Pension Plan" parameters for pension plan tabulations of persons 16+ in the labor force. Use the "All Others" parameters for retirement tabulations, 0+ program participation, 0+ benefits, 0+ income, and 0+ labor force tabulations, in addition to any other types of tabulations not specifically covered by another characteristic in this table.

*** Use the "All Others" parameter for any type of tabulation not specifically covered by another characteristic in this table.

Table 7. Factors to be Applied to Table 6 Base Parameters to Obtain Parameters for Various Reference Periods

# of available rotation months[1]	factor
Monthly estimate	
1	4.0000
2	2.0000
3	1.3333
4	1.0000
Quarterly estimate	
6	1.8519
8	1.4074
9	1.2222
10	1.0494
11	1.0370
12	1.0000

[1] The number of available rotation months for a given estimate is the sum of the number of rotations available for each month of the estimate.

Table 8. Standard Errors of Estimated Numbers of Households, Families or Unrelated Persons (Numbers in Thousands)

Size of Estimate	Standard Error[1]	Size of Estimate	Standard Error
200	35	15,000	275
300	43	25,000	331
500	55	30,000	349
750	67	40,000	368
1,000	77	50,000	369
2,000	109	60,000	351
3,000	132	70,000	312
5,000	169	80,000	242
7,500	204	90,000	78
10,000	232		

[1] To account for sample attrition, multiply the standard error of the estimate by 1.04 for estimates which include data from Wave 5 and beyond.

Table 9. Standard Errors of Estimated Numbers of Persons (Numbers in Thousands)

Size of Estimate	Standard Error	Size of Estimate	Standard Error
200	60	50,000	835
300	73	80,000	964
600	103	100,000	1005
1,000	133	130,000	1004
2,000	188	135,000	999
5,000	295	150,000	966
8,000	371	160,000	934
11,000	432	180,000	838
13,000	467	200,000	688
15,000	499	210,000	578
17,000	529	220,000	425
22,000	595	230,000	108
26,000	641		
30,000	681		

[1] To account for sample attrition, multiply the standard error of the estimate by 1.04 for estimates which include data from Wave 5 and beyond.

Table 10. Standard Errors of Estimated Percentages of of Households Families or Unrelated Persons

Base of Estimated Percentage (Thousands)	Estimated Percentages[1]					
	≤ 1 or ≥ 99	2 or 98	5 or 95	10 or 90	25 or 75	50
200	1.73	2.43	3.79	5.20	7.50	8.70
300	1.41	1.99	3.09	4.26	6.20	7.10
500	1.09	1.54	2.40	3.30	4.76	5.50
750	0.89	1.26	1.96	2.69	3.89	4.49
1,000	0.77	1.09	1.69	2.33	3.37	3.89
2,000	0.55	0.77	1.20	1.65	2.38	2.75
3,000	0.45	0.63	0.98	1.35	1.94	2.24
5,000	0.35	0.49	0.76	1.04	1.51	1.74
7,500	0.28	0.40	0.62	0.85	1.23	1.42
10,000	0.24	0.34	0.54	0.74	1.06	1.23
15,000	0.20	0.28	0.44	0.60	0.87	1.00
25,000	0.15	0.22	0.34	0.47	0.67	0.78
30,000	0.14	0.20	0.31	0.43	0.61	0.71
40,000	0.12	0.17	0.27	0.37	0.53	0.61
50,000	0.11	0.15	0.24	0.33	0.48	0.55
60,000	0.10	0.14	0.22	0.30	0.43	0.50
80,000	0.09	0.12	0.19	0.26	0.38	0.43
90,000	0.08	0.11	0.18	0.25	0.35	0.41

[1] To account for sample attrition, multiply the standard error of the estimate by 1.04 for estimates which include data from Wave 5 and beyond.

Table 11. Standard Errors of Estimated Percentages of Persons

Base of Estimated Percentage (Thousands)	Estimated Percentages					
	≤ 1 or ≥ 99	2 or 98	5 or 95	10 or 90	25 or 75	50
200	2.97	4.17	6.50	9.00	12.90	14.90
300	2.42	3.41	5.31	7.30	10.50	12.20
600	1.71	2.41	3.75	5.20	7.50	8.60
1,000	1.33	1.87	2.91	4.00	5.80	6.70
2,000	0.94	1.32	2.06	2.83	4.08	4.71
5,000	0.59	0.83	1.30	1.79	2.58	2.98
8,000	0.47	0.66	1.03	1.41	2.04	2.36
11,000	0.40	0.56	0.88	1.21	1.74	2.01
13,000	0.37	0.52	0.81	1.11	1.60	1.85
17,000	0.32	0.45	0.70	0.97	1.40	1.62
22,000	0.28	0.40	0.62	0.85	1.23	1.42
26,000	0.26	0.37	0.57	0.78	1.13	1.31
30,000	0.24	0.34	0.53	0.73	1.05	1.22
50,000	0.19	0.26	0.41	0.57	0.82	0.94
80,000	0.15	0.21	0.32	0.45	0.65	0.75
100,000	0.13	0.19	0.29	0.40	0.58	0.67
130,000	0.12	0.16	0.25	0.35	0.51	0.58
220,000	0.09	0.13	0.20	0.27	0.39	0.45
230,000	0.09	0.12	0.19	0.26	0.38	0.44

[1] To account for sample attrition, multiply the standard error of the estimate by 1.04 for estimates which include data from Wave 5 and beyond.

Table 12. 1990 Topical Module Generalised Variance Parameters

	a	b
Fertility		
# Females (16+)		
Total	-0.0000403	3,982
White	-0.0000526	4,414
Black	-0.0002431	2,878
Hispanic	-0.0006864	4,851
Births (16+ females)		
Total	-0.0000735	7,261
White	-0.0000960	8,048
Black	-0.0004432	5,248
Hispanic	-0.0012518	8,847
Educational Attainment (16+)		
Wave 2		
Total	-0.0000286	5,424
White	-0.0000372	6,012
Black	-0.0001810	3,921
Hispanic	-0.0002797	3,921
Wave 5		
Total	-0.0000312	5,913
White	-0.0000405	6,553
Black	-0.0001972	4,273
Hispanic	-0.0003048	4,273
Marital Status and Person's Family Characteristics		
Some HH members (16+)		
Total	-0.0000433	8,209
White	-0.0000563	9,098
Black	-0.0002738	5,933
Hispanic	-0.0004232	5,933
All HH members (0+)		
Total	-0.0000405	9,975
White	-0.0000534	11,055
Black	-0.0002374	7,209
Hispanic	-0.0003478	7,209

	a	b
Child Support (16+ females)		
Wave 3		
Total	-0.0000612	6,043
White	-0.0000799	6,698
Black	-0.0003698	4,368
Hispanic	-0.0006180	4,368
Wave 6		
Total	-0.0000667	6,587
White	-0.0000871	7,301
Black	-0.0004021	4,761
Hispanic	-0.0006736	4,761
Support for non-household members (16+)		
Wave 3		
Total	-0.0000319	6,043
White	-0.0000414	6,698
Black	-0.0002016	4,368
Hispanic	-0.0003116	4,368
Wave 6		
Total	-0.0000347	6,587
White	-0.0000452	7,301
Black	-0.0002198	4,761
Hispanic	-0.0003396	4,761
Health and Disability (0+)		
Total	-0.0000318	7,818
White	-0.0000419	8,666
Black	-0.0001861	5,651
Hispanic	-0.0002727	5,651
0-15 Child Care		
Wave 3		
Total	-0.0000867	4,890
White	-0.0001195	5,420
Black	-0.0004064	3,535
Hispanic	-0.0008883	5,956
Wave 6		
Total	-0.0000945	5,331
White	-0.0001303	5,908
Black	-0.0004430	3,853
Hispanic	-0.0009682	6,492

	a	b
Welfare History and AFDC		
Both Sexes 18+		
Total	-0.0000783	14,344
White	-0.0001016	15,898
Black	-0.0005025	10,367
Hispanic	-0.0007784	10,367
Males 18+		
Total	-0.0001638	14,344
White	-0.0002112	15,898
Black	-0.0011083	10,367
Hispanic	-0.0015697	10,367
Females 18+		
Total	-0.0001501	14,344
White	-0.0001959	15,898
Black	-0.0009194	10,367
Hispanic	-0.0015441	10,367

Table 13.   Distribution of Monthly Cash Income Among Persons 25 to 34 years old

	Total	under $300	$300 to $599	$600 to $899	$900 to $1,199	$1,200 to $1,499	$1,500 to $1,999	$2,000 to $2,499	$2,500 to $2,999	$3,000 to $3,499	$3,500 to $3,999	$4,000 to $4,999	$5,000 to $5,999	$6,000 and over
Thousands in interval	39,851	1371	1651	2259	2734	3452	6278	5799	4730	3723	2519	2619	1223	1493
Percent with at least as much as lower bound of interval	--	100.0	96.6	92.4	86.7	79.9	71.2	55.5	40.9	29.1	19.7	13.4	6.8	3.7

Table 14. **Factors to be Applied to Base Parameters to Obtain Combined Panel Parameters for Estimates from Various Reference Periods.**

# of avaialble rotation months for 2 panels combined[2]	factor
Monthly Estimate	
2	4.0000
3	3.0000
4	2.0000
5	1.6667
6	1.3333
7	1.1667
8	1.0000
Quarterly Estimates	
12	1.8519
15	1.5631
18	1.2222
19	1.1470
24	1.0000
Annual Estimates	
96	1.0000

Estimates are based on monthly averages.

The number of available rotation months for a given estimate is the sum of the number of rotations available for each month of the estimate for the two panels. There must be at least one rotation month available for each month from each panel for monthly and quarterly estimates.

APPENDIX A-1

Income Source Code List

Code Income Sources

1 - Social Security
2 - U.S. Government Railroad Retirement pay
3 - Federal Supplemental Security Income (SSI)
5 - State unemployment compensation
6 - Supplemental Unemployment Benefits
7 - Other unemployment compensation (Trade Adjustment Act benefits, strike pay, other)
8 - Veterans compensation or pensions
10 - Worker's compensation
12 - Employer or union temporary sickness policy
13 - Payments from a sickness, accident or disability insurance policy purchased on your own
20 - Aid to Families with Dependent Children (AFDC, ADC)
21 - General assistance or General relief
23 - Foster child care payments
24 - Other welfare
25 - WIC (Women, Infants and Children) Nutrition Program
27 - Food stamps
28 - Child support payments
29 - Alimony payments
30 - Pension from company or union
31 - Federal Civil Service or other Federal civilian employee pensions
32 - U.S. Military retirement pay
34 - State government pensions
35 - Local government pensions
36 - Income from paid-up life insurance policies or annuities
37 - Estates and trusts
38 - Other payments for retirement, disability or survivor
40 - G.I. Bill/VEAP education benefits
41 - Other VA educational assistance
50 - Income assistance from a charitable group
51 - Money from relatives or friends
52 - Lump sum payments
53 - Income from roomers or boarders
54 - National Guard or Reserve pay
55 - Incidental or casual earnings
56 - Other cash income not included elsewhere
75 - Categories combined and recoded for confidentiality reasons
      State Administered Supplemental Security Income (old code 4)
      Black lung payments (old code 9)
      State temporary sickness or disability benefits (old code 11)
      Indian, Cuban, or Refugee Assistance (old code 22)
      National Guard or Reserve Force retirement (old code 33)

Code Asset List

100 - Regular/passbook savings accounts in a bank, savings and loan or credit union
101 - Money market deposit accounts
102 - Certificates of Deposit or other savings certificates
103 - NOW, Super NOW or other interest earning checking accounts
104 - Money market funds
105 - U.S. Government securities
106 - Municipal or corporate bonds
107 - Other interest-earning assets
110 - Stocks or mutual fund shares
120 - Rental property
130 - Mortgages
140 - Royalties
150 - Other financial investments

Code Special Indicators

170 - Worked
171 - Disabled
172 - Medicare
173 - Medicaid
174 - U.S. Saving Bonds (E, EE)
175 - College Work Study
176 - PELL Grant
177 - Supplemental Educational Opportunity Grant (SEOG)
178 - National Direct Student Loan (NSL)
179 - Guaranteed Student Loan
180 - JTPA Training
181 - Employer assistance
182 - Fellowship/Scholarship
183 - Other financial aid
200 - VA disability rating of 100%
201 - VA disibility of less than 100%

APPENDIX A-2

Income Sources Included in Monthly Cash Income

Earnings from Employment

Wages and salaries
Nonfarm self-employment income
Farm self-employment income

Income from Assets (Property Income)

Regular/passbook savings accounts in a bank, savings and loan or credit union
Money market deposit accounts
Certificates of Deposit or other savings certificates
NOW, Super NOW or other interest-earning checking accounts
Money market funds
U.S. Government securities
Municipal or corporate bonds
Other interest-earning assets
Stocks or mutual fund shares
Rental property
Mortgages
Royalties
Other financial investments

Other Income Sources

Social Security
U.S. Government Railroad Retirement pay
Federal Supplemental Security Income (SSI)
State Administered Supplemental Security Income
State unemployment compensation
Supplemental Unemployment Benefits
Other unemployment compensation (Trade Adjustment Act benefits, strike pay, other)
Veterans compensation or pensions
Black lung payments
Worker's compensation
State temporary sickness or disability benefits
Payments from a sickness, accident or disability insurance policy purchased on your own
Aid to Families with Dependent Children (AFDC, ADC)
General Assistance or General Relief
Indian, Cuban, or Refugee Assistance
Foster child care payments
Other welfare
Child support payments
Alimony payments
Pension from company or union
Federal Civil Service or other Federal civilian employee pensions
U.S. Military retirement pay
National Guard or Reserve Forces retirement
State government pensions
Local government pensions
Income from paid-up life insurance policies or annuities
Estates and trusts

Other payments for retirement, disability or survivor benefits
G.I. Bill/VEAP education benefits
Income assistance from a charitable group
Money from relatives or friends
Lump sum payments
Income from roomers or boarders
National Guard or Reserve pay
Incidental or casual earnings
Other cash income not included elsewhere

APPENDIX A-3

Sources of Means-Tested Benefits Covered in SIPP

Cash Benefits

Federal Supplemental Security Income (SSI)
State Administered Supplemental Security Income
Veterans' pensions
Aid to Families with Dependent Children (AFDC, ADC)
General Assistance or General Relief
Indian, Cuban, or Refugee Assistance
Other welfare
Foster child care payments

Noncash Benefits

Food Stamps
Special Supplemental Food Program for Women, Infants, and Children (WIC)
Low-Income Home Energy Assistance
Medicaid
Free or reduced price school lunches
Free or reduced price school breakfasts
Public or subsidized rental housing

APPENDIX A-4

1980 Census of Population Occupation Classification System

(The numbers in parentheses refer to the 1980 Standard Occupational Classification code equivalents. Pt means part. N.e.c. means not elsewhere classified.)

MANAGERIAL AND PROFESSIONAL SPECIALTY OCCUPATIONS

1980 Code	Executive, Administrative, and Managerial Occupations
003	Legislators (111)
004	Chief executives and general administrators, public administration (112)
005	Administrators and officials, public administration (1132-1139)
006	Administrators, protective services (1131)
007	Financial managers (122)
008	Personnel and labor relations managers (123)
009	Purchasing managers (124)
013	Managers, marketing, advertising, and public relations (125)
014	Administrators, education and related fields (128)
015	Managers, medicine and health (131)
016	Managers, properties and real estate (1353)
017	Postmasters and mail superintendents (1344)
018	Funeral directors (pt 1359)
019	Managers and administrators, n.e.c. (121, 126, 127, 132-139, exc. 1344, 1353, pt 1359)

Management related occupations

023	Accountants and auditors (1412)
024	Underwriters (1414)
025	Other financial officers (1415, 1419)
026	Management analysts (142)
027	Personnel, training, and labor relations specialists (143)
028	Purchasing agents and buyers, farm products (1443)
029	Buyers, wholesale and retail trade except farm products (1442)
033	Purchasing agents and buyers, n.e.c. (1449)
034	Business and promotion arents (145)
035	Construction inspectors (1472)
036	Inspectors and compliance officers, exc. construction (1473)
037	Management related occupations, n.e.c. (149)

Professional Specialty Occupations

Engineers, Architects, and Surveyors

043	Architects (161)

Engineers

044	Aerospace (1622)
045	Metallurgical and materials (1623)
046	Mining (1624)
047	Petroleum (1625)
048	Chemical (1626)
049	Nuclear (1627)
053	Civil (1628)
054	Agricultural (1632)
055	Electrical and electronic (1633, 1636)
056	Industrial (1634)
057	Mechanical (1635)

058	Marine and naval architects (1637)
059	Engineers, n.e.c. (1639)
063	Surveyors and mapping scientists (164)
	Mathematical and Computer Scientists
064	Computer systems analysts and scientists (171)
065	Operations and systems researchers and analysts (172)
066	Actuaries (1732)
067	Statisticians (1733)
068	Mathematical scientists, n.e.c. (1739)
	Natural Scientists
069	Physicists and astronomers (1842, 1843)
073	Chemists, except biochemists (1845)
074	Atmospheric and space scientists (1846)
075	Geologists and geodesists (1847)
076	Physical scientists, n.e.c. (1849)
077	Agricultural and food scientists (1853)
078	Biological and life scientists (1854)
079	Forestry and conservation scientists (1852)
083	Medical scientists (1855)
	Health Diagnosing Occupations
084	Physicians (261)
085	Dentists (262)
086	Veterinarians (27)
087	Optometrists (281)
088	Podiatrists (283)
089	Health diagnosing practitioners, n.e.c. (289)
	Health Assessment and Treating Occupations
095	Registered nurses (29)
096	Pharmacists (301)
097	Dietitians (302)
	Therapists
098	Inhalation therapists (3031)
099	Occupational therapists (3032)
103	Physical therapists (3033)
104	Speech therapists (3034)
105	Therapists, n.e.c. (3039)
106	Physicians' assistants (304)
	Teachers, Postsecondary
113	Earth, environmental, and marine science teachers (2212)
114	Biological science teachers (2213)
115	Chemistry teachers (2214)
116	Physics teachers (2215)
117	Natural science teachers, n.e.c. (2216)
118	Psychology teachers (2217)
119	Economics teachers (2218)
123	History teachers (2222)
124	Political science teachers (2223)
125	Sociology teachers (2224)
126	Social science teachers, n.e.c. (2225)
127	Engineering teachers (2226)
128	Mathematical science teachers (2227)
129	Computer science teachers (2228)
133	Medical science teachers (2231)
134	Health specialties teachers (2232)
135	Business, commerce, and marketing teachers (2233)
136	Agriculture and forestry teachers (2234)

137	Art, drama, and music teachers (2235)
138	Physical education teachers (2236)
139	Education teachers (2237)
143	English teachers (2238)
144	Foreign language teachers (2242)
145	Law teachers (2243)
146	Social work teachers (2244)
147	Theology teachers (2245)
148	Trade and industrial teachers (2246)
149	Home economics teachers (2247)
153	Teachers, postsecondary, n.e.c. (2249)
154	Postsecondary teachers, subject not specified
	Teachers, Except Postsecondary
155	Teachers, prekindergarten and kindergarten (231)
N(156)	Teachers, elementary school (232)
P(157)	Teachers, secondary school (233)
158	Teachers, special education (235)
159	Teachers, n.e.c. (236, 239)
163	Counselors, educational and vocational (24)
	Librarians, Archivists, and Curators
164	Librarians (251)
165	Archivists and curators (252)
	Social Scientists and Urban Planners
166	Economists (1912)
167	Psychologists (1915)
168	Sociologists (1916)
169	Social scientists, n.e.c. (1913, 1914, 1919)
173	Urban planners (192)
	Social, Recreation, and Religious Workers
174	Social workers (2032)
175	Recreation workers (2033)
176	Clergy (2042)
177	Religious workers, n.e.c. (2049)
	Lawyers and Judges
178	Lawyers (211)
179	Judges (212)
	Writers, Artists, Entertainers, and Athletes
183	Authors (321)
184	Technical writers (398)
185	Designers (322)
186	Musicians and composers (323)
187	Actors and directors (324)
188	Painters, sculptors, craft-artists, and artist printmakers (325)
189	Photographers (326)
193	Dancers (327)
194	Artists, performers, and related workers, n.e.c. (328, 329)
195	Editors and reporters (331)
197	Public relations specialists (332)
198	Announcers (333)
199	Athletes (34)

TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT OCCUPATIONS

Technicians and Related Support Occupations

Health Technologists and Technicians
203   Clinical laboratory technologists and technicians (362)
204   Dental hygienists (363)
205   Health record technologists and technicians (364)
206   Radiologic technicians (365)
207   Licensed practical nurses (366)
208   Health technologists and technicians, n.e.c. (369)
Technologists and Technicians, Except Health
    Engineering and Related Technologists and Technicians
213   Electrical and electronic technicians (3711)
214   Industrial engineering technicians (3712)
215   Mechanical engineering technicians (3713)
216   Engineering technicians, n.e.c. (3719)
217   Drafting occupations (372)
218   Surveying and mapping technicians (373)
    Science Technicians
223   Biological technicians (382)
224   Chemical technicians (3831)
225   Science technicians, n.e.c. (3832, 3833, 384, 389)
    Technicians; Except Health, Engineering, and Science
226   Airplane pilots and navigators (825)
227   Air traffic controllers (392)
228   Broadcast equipment operators (393)
229   Computer programmers (3971, 3972)
233   Tool programmers, numerical control (3974)
234   Legal assistants (396)
235   Technicians, n.e.c. (399)

Sales Occupations

243   Supervisors and proprietors, sales occupations (40)
    Sales Representatives, Finance and Business Services
253   Insurance sales occupations (4122)
254   Real estate sales occupations (4123)
255   Securities and financial services sales occupations (4124)
256   Advertising and related sales occupations (4153)
257   Sales occupations, other business services (4152)
    Sales Representatives, Commodities Except Retail
258   Sales engineers (421)
259   Sales representatives, mining, manufacturing, and wholesale (423, 424)
    Sales Workers, Retail and Personal Services
263   Sales workers, motor vehicles and boats (4342, 4344)
264   Sales workers, apparel (4346)
265   Sales workers, shoes (4351)
266   Sales workers, furniture and home furnishings (4348)
267   Sales workers; radio, TV, hi-fi, and appliances (4343, 4352)
268   Sales workers, hardware and building supplies (4353)
269   Sales workers, parts (4367)
274   Sales workers, other commodities (4345, 4347, 4354, 4356, 4359, 4362, 4369)
275   Sales counter clerks (4363)
276   Cashiers (4364)
277   Street and door-to-door sales workers (4366)

278	News vendors (4365)
	Sales Related Occupations
283	Demonstrators, promoters and models, sales (445)
284	Auctioneers (447)
285	Sales support occupations, n.e.c. (444, 446, 449)

Administrative Support Occupations, Including Clerical

	Supervisors, Administrative Support Occupations
303	Supervisors, general office (4511, 4513, 4514, 4516, 4519, 4529)
304	Supervisors, computer equipment operators (4512)
305	Supervisors, financial records processing (4521)
306	Chief communications operators (4523)
307	Supervisors; distribution, scheduling, and adjusting clerks (4522, 4524-4528)
	Computer Equipment Operators
308	Computer operators (4612)
309	Peripheral equipment operators (4613)
	Secretaries, Stenographers,and Typists
(313)	Secretaries (4622)
314	Stenographers (4623)
315	Typists (4624)
	Information Clerks
116	Interviewers (4642)
117	Hotel clerks (4643)
18	Transportation ticket and reservation agents (4644)
19	Receptionists (4645)
23	Information clerks, n.e.c. (4649)
	Records Processing Occupations, Except Financial
25	Classified-ad clerks (4662)
26	Correspondence clerks (4663)
27	Order clerks (4664)
28	Personnel clerks, except payroll and timekeeping (4692)
29	Library clerks (4694)
15	File clerks (4696)
16	Records clerks (4699)
	Financial Records Processing Occupations
37)	Bookkeepers, accounting, and auditing clerks (4712)
8	Payroll and timekeeping clerks (4713)
9	Billing clerks (4715)
3	Cost and rate clerks (4716)
4	Billing, posting, and calculating machine operators (4718)
	Duplicating, Mail and Other Office Machine Operators
5	Duplicating machine operators (4722)
5	Mail preparing and paper handling machine operators (4723)
r	Office machine operators, n.e.c. (4729)
	Communications Equipment Operators
1	Telephone operators (4732)
1	Telegraphers (4733)
	Communications equipment operators, n.e.c. (4739)
	Mail and Message Distributing Occupations
	Postal clerks, exc. mail carriers (4742)
	Mail carriers, postal service (4743)
	Mail clerks, exc. postal service (4744)
	Messengers (4745)
	Material Recording, Scheduling, and Distributing Clerks
	Dispatchers (4751)

363   Production coordinators (4752)
364   Traffic, shipping, and receiving clerks (4753)
365   Stock and inventory clerks (4754)
366   Meter readers (4755)
368   Weighers, measurers, and checkers (4756)
369   Samplers (4757)
373   Expediters (4758)
374   Material recording, scheduling, and distributing clerks, n.e.c. (4759)
            Adjusters and Investigators
375   Insurance adjusters, examiners, and investigators (4782)
376   Investigators and adjusters, except insurance (4783)
377   Eligibility clerks, social welfare (4784)
378   Bill and account collectors (4786)
            Miscellaneous Administrative Support Occupations
379   General office clerks (463)
383   Bank tellers (4791)
384   Proofreaders (4792)
385   Data-entry keyers (4793)
386   Statistical clerks (4794)
387   Teachers' aides (4795)
389   Administrative support occupations, n.e.c. (4787, 4799)

SERVICE OCCUPATIONS

Private Household Occupations

403   Launderers and ironers (503)
404   Cooks, private household (504)
405   Housekeepers and butlers (505)
406   Child care workers, private household (506)
T(407)   Private household cleaners and servants (502, 507, 509)

Protective Service Occupations

            Supervisors, Protective Service Occupations
413   Supervisors, firefighting and fire prevention occupations (5111)
414   Supervisors, police and detectives (5112)
415   Supervisors, guards (5113)
            Firefighting and Fire Prevention Occupations
416   Fire inspection and fire prevention occupations (5122)
417   Firefighting occupations (5123)
            Police and Detectives
418   Police and detectives, public service (5132)
423   Sheriffs bailiffs, and other law enforcement officers (5134)
424   Correctional institution officers (5133)
            Guards
425   Crossing guards (5142)
426   Guards and police, exc. public service (5144)
427   Protective service occupations, n.e.c. (5149)

Service Occupations, Except Protective and Household

            Food Preparation and Service Occupations
433   Supervisors, food preparation and service occupations (5211)
434   Bartenders (5212)
U(435)   Waiters and waitresses (5213)

436	Cooks, except short order (5214)
437	Short-order cooks (5215)
438	Food counter, fountain and related occupations (5216)
439	Kitchen workers, food preparation (5217)
443	Waiters'/waitresses' assistants (5218)
444	Miscellaneous food preparation occupations (5219)

Health Service Occupations

445	Dental assistants (5232)
446	Health aides, except nursing (5233)
447	Nursing aides, orderlies, and attendants (5236)

Cleaning and Building Service Occupations, except Household

448	Supervisors, cleaning and building service workers (5241)
449	Maids and housemen (5242, 5249)
V(453)	Janitors and cleaners (5244)
454	Elevator operators (5245)
455	Pest control occupations (5246)

Personal Service Occupations

456	Supervisors, personal service occupations (5251)
457	Barbers (5252)
458	Hairdressers and cosmetologists (5253)
459	Attendants, amusement and recreation facilities (5254)
463	Guides (5255)
464	Ushers (5256)
465	Public transportation attendants (5257)
466	Baggage porters and bellhops (5262)
467	Welfare service aides (5263)
468	Child care workers,except private household (5264)
469	Personal service occupations, n.e.c. (5258, 5269)

FARMING, FORESTRY, AND FISHING OCCUPATIONS

Farm Operators and Managers

W(473)	Farmers, except horticultural (5512-5514)
474	Horticultural specialty farmers (5515)
475	Managers, farms, except horticultural (5522-5524)
476	Managers, horticultural specialty farms (5525)

Other Agricultural and Related Occupations

Farm Occupations, Except Managerial

477	Supervisors, farm workers (5611)
479	Farm workers (5612-5617)
483	Marine life cultivation workers (5618)
484	Nursery workers (5619)

Related Agricultural Occupations

485	Supervisors, related agricultural occupations (5621)
486	Groundskeepers and gardeners, except farm (5622)
487	Animal caretakers, except farm (5624)
488	Graders and sorters, agricultural products (5625)
489	Inspectors, agricultural products (5627)

Forestry and Logging Occupations

494   Supervisors, forestry, and logging workers (571)
495   Forestry workers, except logging (572)
496   Timber cutting and logging occupations (573, 579)

Fishers, Hunters, and Trappers

497   Captains and other officers, fishing vessels (pt 8241)
498   Fishers (583)
499   Hunters and trappers (584)

PRECISION PRODUCTION, CRAFT, AND REPAIR OCCUPATIONS

Mechanics and Repairers

503   Supervisors, mechanics and repairers (60)
        Mechanics and Repairers, Except Supervisors
            Vehicle and Mobile Equipment Mechanics and Repairers
X(505)   Automobile mechanics (pt 6111)
506   Automobile mechanic apprentices (pt 6111)
507   Bus, truck, and stationary engine mechanics (6112)
508   Aircraft engine mechanics (6113)
509   Small engine repairers (6114)
514   Automobile body and related repairers (6115)
515   Aircraft mechanics, exc. engine (6116)
516   Heavy equipment mechanics (6117)
517   Farm equipment mechanics (6118)
518   Industrial machinery repairers (613)
519   Machinery maintenance occupations (614)
            Electrical and Electronic Equipment Repairers
523   Electronic repairers, communications and industrial equipment (6151, 6153, 6155)
525   Data processing equipment repairers (6154)
526   Household appliance and power tool repairers (6156)
527   Telephone line installers and repairers (6157)
529   Telephone installers and repairers (6158)
533   Miscellaneous electrical and electronic equipment repairers (6152, 6159)
534   Heating, air conditioning, and refrigeration mechanics (6161)
            Miscellaneous Mechanics and Repairers
535   Camera, watch, and musical instrument repairers (6171, 6172)
536   Locksmiths and safe repairers (6173)
538   Office machine repairers (6174)
539   Mechanical controls and valve repairers (6175)
543   Elevator installers and repairers (6176)
544   Millwrights (6178)
547   Specified mechanics and repairers, n.e.c. (6177, 6179)
549   Not specified mechanics and repairers

Construction Trades

        Supervisors, construction occupations
553   Supervisors; brickmasons, stonemasons, and tile setters (6312)
554   Supervisors, carpenters and related workers (6313)
555   Supervisors, electricians and power transmission installers (6314)
556   Supervisors; painters, paperhangers, and plasterers (6315)
557   Supervisors; plumbers, pipefitters, and steamfitters (6316)

558	Supervisors, n.e.c. (6311, 6318)
	Construction Trades, Except Supervisors
563	Brickmasons and stonemasons (pt 6412, pt 6413)
564	Brickmason and stonemason apprentices (pt 6412, pt 6413)
565	Tile setters, hard and soft (6414, pt 6462)
566	Carpet installers (pt 6462)
Y(567)	Carpenters (pt 6422)
569	Carpenter apprentices (pt 6422)
573	Drywall installers (6424)
575	Electricians (pt 6432)
576	Electrician apprentices (pt 6432)
577	Electrical power installers and repairers (6433)
579	Painters, construction and maintenance (6442)
583	Paperhangers (6443)
584	Plasterers (6444)
585	Plumbers, pipefitters, and steamfitters (pt 645)
587	Plumber, pipefitter, and steamfitter apprentices (pt 645)
588	Concrete and terrazzo finishers (6463)
589	Glaziers (6464)
593	Insulation workers (6465)
594	Paving, surfacing, and tamping equipment operators (6466)
595	Roofers (6468)
596	Sheetmetal duct installers (6472)
597	Structural metal workers (6473)
598	Drillers, earth (6474)
599	Construction trades, n.e.c. (6467, 6475, 6476, 6479)
	Extractive Occupations
613	Supervisors, extractive occupations (632)
614	Drillers, oil well (652)
615	Explosives workers (653)
616	Mining machine operators (654)
617	Mining occupations, n.e.c. (656)
	Precision Production Occupations
633	Supervisors, production occupations (67, 71)
	Precision Metal Working Occupations
634	Tool and die makers (pt 6811)
635	Tool and die maker apprentices (pt 6811)
636	Precision assemblers, metal (6812)
637	Machinists (pt 6813)
639	Machinist apprentices (pt 6813)
643	Boilermakers (6814)
644	Precision grinders, filers, and tool sharpeners (6816)
645	Patternmakers and model makers, metal (6817)
646	Lay-out workers (6821)
647	Precious stones and metals workers (Jewelers) (6822, 6866)
649	Engravers, metal (6823)
653	Sheet metal workers (pt 6824)
654	Sheet metal worker apprentices (pt 6824)
655	Miscellaneous precision metal workers (6829)
	Precision Woodworking Occupations
656	Patternmakers and model makers, wood (6831)
657	Cabinet makers and bench carpenters (6832)
658	Furniture and wood finishers (6835)
659	Miscellaneous precision woodworkers (6839)
	Precision Textile, Apparel, and Furnishings Machine Workers
666	Dressmakers (pt 6852, pt 7752)

667	Tailors (pt 6852)
668	Upholsterers (6853)
669	Shoe repairers (6854)
673	Apparel and fabric patternmakers (6856)
674	Miscellaneous precision apparel and fabric workers (6859, pt 7752)

Precision Workers, Assorted Materials

675	Hand molders and shapers, except jewelers (6861)
676	Patternmakers, lay-out workers, and cutters (6862)
677	Optical goods workers (6864, pt 7477, pt 7677)
678	Dental laboratory and medical appliance technicians (6865)
679	Bookbinders (6844)
683	Electrical and electronic equipment assemblers (6867)
684	Miscellaneous precision workers, n.e.c. (6869)

Precision Food Production Occupations

686	Butchers and meat cutters (6871)
687	Bakers (6872)
688	Food batchmakers (6873, 6879)

Precision Inspectors, Testers, and Related Workers

689	Inspectors, testers, and graders (6881, 828)
693	Adjusters and calibrators (6882)

Plant and System Operators

694	Water and sewage treatment plant operators (691)
695	Power plant operators (pt 693)
696	Stationary engineers (pt 693, 7668)
699	Miscellaneous plant and system operators (692, 694, 695, 696)

OPERATORS, FABRICATORS, AND LABORERS

Machine Operators, Assemblers, and Inspectors

Machine Operators and Tenders, except Precision

Metal working and Plastic Working Machine Operators

703	Lathe and turning machine set-up operators (7312)
704	Lathe and turning machine operators (7512)
705	Milling and planing machine operators (7313, 7513)
706	Punching and stamping press machine operators (7314, 7317, 7514, 7517)
707	Rolling machine operators (7316, 7516)
708	Drilling and boring machine operators (7318, 7518)
709	Grinding, abrading, buffing, and polishing machine operators (7322, 7324, 7522)
713	Forging machine operators (7319, 7519)
714	Numerical control machine operators (7326)
715	Miscellaneous metal, plastic, stone, and glass working machine operators (7329, 7529)
717	Fabricating machine operators, n.e.c. (7339, 7539)

Metal and Plastic Processing Machine Operators

719	Molding and casting machine operators (7315, 7342, 7515, 7542)
723	Metal plating machine operators (7343, 7543)
724	Heat treating equipment operators (7344, 7544)
725	Miscellaneous metal and plastic processing machine operators (7349, 7549)

Woodworking Machine Operators

726	Wood lathe, routing, and planing machine operators (7431, 7432, 7631, 7632)
727	Sawing machine operators (7433, 7633)
728	Shaping and joining machine operators (7435, 7635)
729	Nailing and tacking machine operators (7636)
733	Miscellaneous woodworking machine operators (7434, 7439, 7634, 7639)

Printing Machine Operators
- 734   Printing machine operators (7443, 7643)
- 735   Photoengravers and lithographers (6842, 7444, 7644)
- 736   Typesetters and compositors (6841, 7642)
- 737   Miscellaneous printing machine operators (6849, 7449, 7649)

Textile, Apparel, and Furnishings Machine Operators
- 738   Winding and twisting machine operators (7451, 7651)
- 739   Knitting, looping, taping, and weaving machine operators (7452, 7652)
- 743   Textile cutting machine operators (7654)
- 744   Textile sewing machine operators (7655)
- 745   Shoe machine operators (7656)
- 747   Pressing machine operators (7657)
- 748   Laundering and dry cleaning machine operators (6855, 7658)
- 749   Miscellaneous textile machine operators (7459, 7659)

Machine Operators, Assorted Materials
- 753   Cementing and gluing machine operators (7661)
- 754   Packaging and filling machine operators (7462, 7662)
- 755   Extruding and forming machine operators (7463, 7663)
- 756   Mixing and blending machine operators (7664)
- 757   Separating, filtering, and clarifying machine operators (7476, 7666, 7676)
- 758   Compressing and compacting machine operators (7467, 7667)
- 759   Painting and paint spraying machine operators (7669)
- 763   Roasting and baking machine operators, food (7472, 7672)
- 764   Washing, cleaning, and pickling machine operators (7673)
- 765   Folding machine operators (7474, 7674)
- 766   Furnace, kiln, and oven operators, exc. food (7675)
- 768   Crushing and grinding machine operators (pt 7477, pt 7677)
- 769   Slicing and cutting machine operators (7478, 7678)
- 773   Motion picture projectionists (pt 7479)
- 774   Photographic process machine operators (6863, 6868, 7671)
- 777   Miscellaneous machine operators, n.e.c. (pt 7479, 7665, 7679)
- 779   Machine operators, not specified

Fabricators, Assemblers, and Hand Working Occupations
- 783   Welders and cutters (7332, 7532, 7714)
- 784   Solderers and brazers (7333, 7533, 7717)
- 785   Assemblers (772, 774)
- 786   Hand cutting and trimming occupations (7753)
- 787   Hand molding, casting, and forming occupations (7754, 7755)
- 789   Hand painting, coating, and decorating occupations (7756)
- 793   Hand engraving and printing occupations (7757)
- 794   Hand grinding and polishing occupations (7758)
- 795   Miscellaneous hand working occupations (7759)

Production Inspectors, Testers, Samplers, and Weighers
- 796   Production inspectors, checkers, and examiners (782, 787)
- 797   Production testers (783)
- 798   Production samplers and weighers (784)
- 799   Graders and sorters, exc. agricultural (785)

Transportation and Material Moving Occupations

Motor Vehicle Operators
- 803   Supervisors, motor vehicle operators (8111)
- 804)   Truck drivers, heavy (8212, 8213)
- 805   Truck drivers, light (8214)
- 806   Driver-sales workers (8218)
- 808   Bus drivers (8215)

809	Taxicab drivers and chauffeurs (8216)
813	Parking lot attendants (874)
814	Motor transportation occupations, n.e.c. (8219)
	Transportation Occupations, Except Motor Vehicles
	Rail Transportation Occupations
823	Railroad conductors and yardmasters (8113)
824	Locomotive operating occupations (8232)
825	Railroad brake, signal, and switch operators (8233)
826	Rail vehicle operators, n.e.c. (8239)
	Water Transportation Occupations
828	Ship captains and mates, except fishing boats (pt 8241, 8242)
829	Sailors and deckhands (8243)
833	Marine engineers (8244)
834	Bridge, lock, and lighthouse tenders (8245)
	Material Moving Equipment Operators
843	Supervisors, material moving equipment operators (812)
844	Operating engineers (8312)
845	Longshore equipment operators (8313)
848	Hoist and winch operators (8314)
849	Crane and tower operators (8315)
853	Excavating and loading machine operators (8316)
855	Grader, dozer, and scraper operators (8317)
856	Industrial truck and tractor equipment operators (8318)
859	Miscellaneous material moving equipment operators (8319)

Handlers, Equipment Cleaners, Helpers, and Laborers

863	Supervisors, handlers, equipment cleaners, and laborers, n.e.c. (85)
864	Helpers, mechanics and repairers (863)
	Helpers, Construction and Extractive Occupations
865	Helpers, construction trades (8641-8645, 8648)
866	Helpers, surveyor (8646)
867	Helpers, extractive occupations (865)
869	Construction laborers (871)
873	Production helpers (861, 862)
	Freight, Stock, and Material Handlers
875	Garbage collectors (8722)
876	Stevedores (8723)
877	Stock handlers and baggers (8724)
878	Machine feeders and offbearers (8725)
883	Freight, stock, and material handlers, n.e.c. (8726)
885	Garage and service station related occupations (873)
887	Vehicle washers and equipment cleaners (875)
888	Hand packers and packagers (8761)
889	Laborers, except construction (8769)
905	Member of the Armed Forces

APPENDIX A-5

1980 Census of Population Industry Classification System

(Alphabets parentheses are the 1972 SIC code equivalents [1])

Census
Code

AGRICULTURE, FORESTRY, AND FISHERIES

010 (A) Agricultural production, crops (01)
011 Agricultural production, livestock (02)
020 Agricultural services, except horticultural (07, except 078)
021 Horticultural services (078)
030 Forestry (08)
031 Fishing, hunting, and trapping (09)

MINING

040 Metal mining (10)
041 Coal mining (11, 12)
042 Crude petroleum and natural gas extraction (13)
050 Nonmetallic mining and quarrying, except fuel (14)

060 (B) **CONSTRUCTION** (15, 16, 17)

MANUFACTURING

Nondurable Goods

Food and kindred products
100 Meat products (201)
101 Dairy products (202)
102 Canned and preserved fruits and vegetables (203)
110 Grain mill products (204)
111 Bakery products (205)
112 Sugar and confectionery products (206)
120 Beverage industries (208)
121 Miscellaneous food preparations and kindred products (207, 209)
122 Not specified food industries
130 Tobacco manufactures (21)
Textile mill products
132 Knitting mills (225)
140 Dyeing and finishing textiles, except wool and knit goods (226)
141 Floor coverings, except hard surface (227)
142 Yarn, thread, and fabric mills (221-224, 228)
150 Miscellaneous textile mill products (229)

Apparel and other finished textile products
151   Apparel and accessories, except knit (231-238)
152   Miscellaneous fabricated textile products (239)
Paper and allied products
160   Pulp, paper, and paperboard mills (261-263, 266)
161   Miscellaneous paper and pulp products (264)
162   Paperboard containers and boxes (265)
Printing, publishing, and allied industries
171 (C)   Newspaper publishing and printing (271)
172   Printing, publishing, and allied industries, except newspapers (272-279)
Chemicals and allied products
180   Plastics, synthetics, and resins (282)
181   Drugs (283)
182   Soaps and cosmetics (284)
190   Paints, varnishes, and related products (287)
191   Agricultural chemicals (287)
192   Industrial and miscellaneous chemicals (281, 286, 289)
Petroleum and coal products
200   Petroleum refining (291)
201   Miscellaneous petroleum and coal products (295, 299)
Rubber and miscellaneous plastics products
210   Tires and inner tubes (301)
211   Other rubber products, and plastics footwear and belting (302-304, 306)
212   Miscellaneous plastics products (307)
Leather and leather products
220   Leather tanning and finishing (311)
221   Footwear, except rubber and plastic (313, 314)
222   Leather products, except footwear (315-317, 319)

Durable Goods

Lumber and wood products, except furniture
230   Logging (241)
231   Sawmills, planing mills, and millwork (242, 243)
232   Wood buildings and mobile homes (245)
241   Miscellaneous wood products (244, 249)
242   Furniture and fixtures (25)
Stone, clay, glass, and concrete products
250   Glass and glass products (321-323)
251   Cement, concrete, gypsum, and plaster products (324, 327)
252   Structural clay products (325)
261   Pottery and related products (326)
262   Miscellaneous nonmetallic mineral and stone products (328, 329).
Metal industries
270   Blast furnaces, steelworks, rolling and finishing mills (331)
271   Iron and steel foundries (332)
272   Primary aluminum industries (3334, part 334, 3353-3355, 3361)
280   Other primary metal industries (3331-3333, 3339, part 334, 3351, 3356, 3357, 3362, 3369, 339)
281   Cutlery, handtools, and other hardware (342)
282   Fabricated structural metal products (344)
290   Screw machine products (345)
291   Metal forgings and stampings (346)
292   Ordnance (348)

300	Miscellaneous fabricated metal products (341, 343, 347, 349)
301	Not specified metal industries
	Machinery, except electrical
310	Engines and turbines (351)
311	Farm machinery and equipment (352)
312	Construction and material handling machines (353)
320	Metalworking machinery (354)
321	Office and accounting machines (357, except 3573)
322	Electronic computing equipment (3573)
331	Machinery, except electrical, n.e.c. (355, 356, 358, 359)
332	Not specified machinery
	Electrical machinery, equipment, and supplies
340	Household appliances (363)
341	Radio, T.V., and communication equipment (365, 366)
342	Electrical machinery, equipment, and supplies, n.e.c. (361, 362, 364, 367, 369)
350	Not specified electrical machinery, equipment, and supplies
	Transportation equipment
351	Motor vehicles and motor vehicle equipment (371)
352	Aircraft and parts (372)
360	Ship and boat building and repairing (373)
361	Railroad locomotives and equipment (374)
362	Guided missiles, space vehicles, and parts (376)
370	Cycles and miscellaneous transportation equipment (375, 379)
	Professional and photographic equipment, and watches
371	Scientific and controlling instruments (381, 382)
372	Optical and health services supplies (383, 384, 385)
380	Photographic equipment and supplies (386)
381	Watches, clocks, and clockwork operated devices (387)
382	Not specified professional equipment
390	Toys, amusement, and sporting goods (394)
391	Miscellaneous manufacturing industries (39 exc. 394)
392	Not specified manufacturing industries

TRANSPORTATION, COMMUNICATIONS, AND OTHER PUBLIC UTILITIES

	Transportation
400	Railroads (40)
401	Bus service and urban transit (41, except 412)
402	Taxicab service (412)
410	Trucking service (421, 423)
411	Warehousing and storage (422)
412	U.S. Postal Service (43)
420	Water transportation (44)
421	Air transportation (45)
422	Pipe lines, except natural gas (46)
432	Services incidental to transportation (47)
	Communications
440	Radio and television broadcasting (483)
441	Telephone (wire and radio) (481)
442	Telegraph and miscellaneous communication services (482, 489)
	Utilities and sanitary services
460	Electric light and power (491)

461   Gas and steam supply systems (492, 496)
462   Electric and gas, and other combinations (493)
470   Water supply and irrigation (494, 497)
471   Sanitary services (495)
472   Not specified utilities

WHOLESALE TRADE

Durable Goods

500   Motor vehicles and equipment (501)
501   Furniture and home furnishings (502)
502   Lumber and construction materials (503)
510   Sporting goods, toys, and hobby goods (504)
511   Metals and minerals, except petroleum (505)
512   Electrical goods (506)
521   Hardware, plumbing and heating supplies (507)
522   Not specified electrical and hardware products
530   Machinery, equipment, and supplies (508)
531   Scrap and waste materials (5093)
532   Miscellaneous wholesale, durable goods (5094, 5099)

Nondurable Goods

540   Paper and paper products (511)
541   Drugs, chemicals and allied products (512, 516)
542   Apparel, fabrics, and notions (513)
550   Groceries and related products (514)
551   Farm products - raw materials (515)
552   Petroleum products (517)
560   Alcoholic beverages (518)
561   Farm supplies (5191)
562   Miscellaneous wholesale, nondurable goods (5194, 5198, 5199)
571   Not specified wholesale trade

RETAIL TRADE

580   Lumber and building material retailing (521, 523)
581   Hardware stores (525)
582   Retail nurseries and garden stores (526)
590   Mobile home dealers (527)
591 (D)   Department stores (531)
592   Variety stores (533)
600   Miscellaneous general merchandise stores (539)
601 (E)   Grocery stores (541)
602   Dairy products stores (545)
610   Retail bakeries (546)
611   Food stores, n.e.c. (542, 543, 544, 549)
612   Motor vehicle dealers (551, 552)
620   Auto and home supply stores (553)
621   Gasoline service stations (554)
622   Miscellaneous vehicle dealers (555, 556, 557, 559)
630   Apparel and accessory stores, except shoe (56, except 566)
631   Shoe stores (566)

632   Furniture and home furnishings stores (571)
640   Household appliances, TV, and radio stores (572, 573)
641 (F) Eating and drinking places (58)
642   Drug stores (591)
650   Liquor stores (592)
651   Sporting goods, bicycles, and hobby stores (5941, 5945, 5946)
652   Book and stationery stores (5942, 5943)
660   Jewelry stores (5944)
661   Sewing, needlework and piece goods stores (5949)
662   Mail order houses (5961)
670   Vending machine operators (5962)
671   Direct selling establishments1establishments (5963)
672   Fuel and ice dealers (598)
681   Retail florists (5992)
682   Miscellaneous retail stores (593, 5947, 5948, 5993, 5994, 5999)
691   Not specified retail trade

FINANCE, INSURANCE, AND REAL ESTATE

700 (G) Banking (60)
701   Savings and loan associations (612)
702   Credit agencies, n.e.c. (61, except 612)
710   Security, commodity brokerage, and investment companies (62, 67)
711 (H) Insurance (63, 64)
712   Real estate, including real estate-insurance-law offices (65, 66)

BUSINESS AND REPAIR SERVICES

721   Advertising (731)
722   Services to dwellings and other buildings (734)
730   Commercial research, development, and testing labs (7391, 7397)
731   Personnel supply services (736)
732   Business management and consulting services (7392)

740   Computer and data processing services (737)
741   Detective and protective services (7393)
742   Business services, n.e.c. (732, 733, 735, 7394, 7395, 7396, 7399)
750   Automotive services, except repair (751, 752, 754)
751   Automotive repair shops (753)
752   Electrical repair shops (762, 7694)
760   Miscellaneous repair services (763, 764, 7692, 7699)

PERSONAL SERVICES

761 (J) Private households (88)
762   Hotels and motels (701)
770   Lodging places, except hotels and motels (702, 703, 704)
771   Laundry, cleaning, and garment services (721)
772   Beauty shops (723)
780   Barber shops (724)
781   Funeral service and crematories (726)
782   Shoe repair shops (725)
790   Dressmaking shops (part 729)

791   Miscellaneous personal services (722, part 729)

ENTERTAINMENT AND RECREATION SERVICES

800   Theaters and motion pictures (78, 792)
801   Bowling alleys, billiard and pool parlors (793)
802   Miscellaneous entertainment and recreation services (791, 794, 799)

PROFESSIONAL AND RELATED SERVICES

812   Offices of physicians (801, 803)
820   Offices of dentists (802)
821   Offices of chiropractors (8041)
822   Offices of optometrists (8042)
830   Offices of health practitioners, n.e.c. (8049)
831 (K)   Hospitals (806)
832   Nursing and personal care facilities (805)
840   Health services, n.e.c. (807, 808, 809)
841   Legal services (81)
842 (L)   Elementary and secondary schools (821)
850 (M)   Colleges and universities (822)
851   Business, trade, and vocational schools (824)
852   Libraries (823)
860   Educational services, n.e.c. (829)
861   Job training and vocational rehabilitation services (833)
862   Child day care services (835)
870   Residential care facilities, without nursing (836)
871   Social services, n.e.c. (832, 839)
872   Museums, art galleries, and zoos (84)
880   Religious organizations (866)
881   Membership organizations (861-865, 869)
882   Engineering, architectural, and surveying services (891)
890   Accounting, auditing, and bookkeeping services (893)
891   Noncommercial educational and scientific research (892)
892   Miscellaneous professional and related services (899)

PUBLIC ADMINISTRATION

900   Executive and legislative offices (911-913)
901   General government, n.e.c. (919)
910   Justice, public order, and safety (92)
921   Public finance, taxation, and monetary policy (93)
922   Administration of human resources programs (94)
930   Administration of environmental quality and housing programs (95)
931   Administration of economic programs (96)
932   National security and international affairs (97)
991   Member of the Armed Forces

HOUSEHOLD RECORD (Card ____ of ____)

FORM SIPP-19001
CONTROL CARD
U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
SURVEY OF INCOME AND PROGRAM PARTICIPATION

| 1 | 2 CONTROL NUMBER | 3 | 4 SEGMENT TYPE | 5a | W1 | W2 | W3 | W4 | W5 | W6 | W7 | W8 | 6a EXTRA UNIT Original unit serial number | 6c OFFICE USE ONLY | 7 Wave for which Control Card first prepared |

R.O. CODE — PSU — Segment — Reg. ref. — Serial — Sample — CHECK DIGIT — ADDRESS I.D.

SEGMENT TYPE:
1 ☐ Address   4 ☐ Area
3 ☐ Unit   6 ☐ Special place
2 ☐ Permit

5a Field Rep. code
5b
Letter used

6b Sheet ___ Line ___

FILL ITEMS 17–20 FOR ALL PERSONS LIVING OR STAYING HERE

FILL (OR UPDATE AS APPROPRIATE) ITEMS 23–33 FOR HOUSEHOLD MEMBERS ONLY — Ask each item for entire household before asking next item

| 17 ENTRY ADDRESS I.D. | 18 PERSON NUMBER | 19a HOUSEHOLD ROSTER | 19b RELATIONSHIP TO REFERENCE PERSON (RP) | 20 HOUSEHOLD MEMBER | 23 DATE ENTERED OR LEFT | 24 BIRTH DATE/AGE | 25 PERSON NUMBER OF PARENT | 26a MARITAL STATUS | 26b PERSON NUMBER OF SPOUSE | 27 DESIGNATED PARENT OR GUARDIAN | 28 SEX | 29 RACE | 30 ORIGIN |

18 PERSON NUMBER: Assign 101, 102, etc. for wave 1; 201, 202, etc. for wave 2

19a HOUSEHOLD ROSTER
FIRST INTERVIEW AT WAVE 1 ADDRESS –
What are the names of all persons living or staying here? Start with the name of the person or one of the persons who owns, rented this home. Please include middle and maiden names. (Leave one blank space between each part of name)
FIRST INTERVIEW AT MOVER'S NEW ADDRESS for mover's new address – Fill items 17–19b before the interview.
Last, First, Middle, Maiden

19b RELATIONSHIP — Ask if not apparent: What is ...'s relationship to Head name of RP?
Example: Reference person, wife or husband, son, daughter, son-in-law, sister, foster son, partner, lodger, lodger's wife
See codes on page 4

26a MARITAL STATUS:
1 - Married, Sp. Pres.
2 - Sp. Abs.
3 - Widowed
4 - Divorced
5 - Separated
6 - Never married

28 SEX: 1-Male 2-Female

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21 HOUSEHOLD ROSTER COVERAGE

WAVE 1 INTERVIEW

21a I have listed (Read names from item 19a). Have I listed (Read all released) — If "Yes," to any of the following, ask name and complete items 17–20 above.

		Yes	No
– Any babies or small children?	0010	☐	☐
– Any lodgers, boarders, or persons you employ who live here?	0012	☐	☐
– Anyone who usually lives here but is away now – traveling, at school, or in a hospital?	0014	☐	☐
– Anyone else staying here?	0016	☐	☐

FIRST INTERVIEW AT MOVER'S NEW ADDRESS

		Yes	No
21b I have listed ... (Read names from item 19a), as name living at this address. Is this correct? If NO, ask – Which person did not move here?	0018	☐	☐

21c When did ... move to here? Enter appropriate code and date in item 23.

21d Is there anyone else living or staying here now? If YES, ask name and complete items 17–19b, then ask: When did ... begin living here?
0020 ☐ ☐

21e Which of these persons (owns/rented) this home? Assign as reference person in item 18.

SUBSEQUENT INTERVIEWS

	W2	W3	W4	W5	W6	W7	W8
21f	0022	0026	0030	0034	0038	0042	0046
	☐Y ☐N	☐Y ☐N	☐Y ☐N	☐Y ☐N	☐Y ☐N	☐Y ☐N	☐Y ☐N
21g	0024	0028	0032	0036	0040	0044	0048
	☐Y ☐N	☐Y ☐N	☐Y ☐N	☐Y ☐N	☐Y ☐N	☐Y ☐N	☐Y ☐N

21f I have listed ... (Read names from item 19a). Are all of these persons still living or staying here? If NO, ask: Who no longer lives here? When did ... leave?

21g Is anyone else living or staying here, including new born babies? If YES, ask name and complete items 17–20 above, then ask: When did ... begin living here?

---

22 HOUSING UNIT COVERAGE – WAVE 1 INTERVIEW

22a FIELD REPRESENTATIVE CHECK ITEM:
Unit is ☐ In a special place – SKIP to 24 above
☐ Not in a special place – ASK 22b

Ask if not apparent:
22b Do all persons in this household live OR eat together?
☐ Yes – ASK 22c   ☐ No, neither live nor eat together – Fill Table X for the person or group of persons not living or eating with RP

22c Does any other household on the property live OR eat with this household?
☐ Yes – Redefine the unit to include space occupied by all persons who live or eat together. Apply merged unit procedures if appropriate.
☐ No
GO TO ITEM 24 ABOVE

31a ASK IF 15 OR OLDER

31a Person number	EDUCATION		ARMED FORCES			SOCIAL SECURITY	
	31b	31c	32a	32b	32c	33a	33b

31b What is the highest grade or year of regular school ... has ever attended?
00 – Never attended or kindergarten
01-08 – Elementary
09-12 – High school
13-20 – College (Academic)

31c Did ... complete that grade (year)?
1-Yes 2-No

32a Did ... ever serve on active duty in the U.S. Armed Forces?
1-Yes 2-No

32b When did ... serve? See codes on page 4

32c Is ... now in the Armed Forces?
1-Yes 2-No

33a What is ...'s Social Security or Railroad Retirement number? If don't know ask: If I call back, would ... be able to provide this information? If "Yes," mark Reminder Card

FIELD REPRESENTATIVE: Go to first questionnaire interview.

B1-1

8 ADDRESS (Street _____ Line _____)

8a What is your usual address?

House number, street, Apt. number, or other identification

Place | County | State | ZIP code

8b Is this also your mailing address? ☐ Yes ☐ No – Specify below

Route number, P.O. Box, or other identification

Place | County | State | ZIP code

8c Special place name

8d Type code

8e Sample number

AREA SEGMENTS ONLY

9 YEAR BUILT
☐ Ask first visit
☐ DO NOT ASK

When was this structure originally built?
☐ Before 4-1-80 – Continue Interview
☐ After 4-1-80 – Complete item 10c when required. END INTERVIEW

10 COVERAGE QUESTIONS
☐ Ask items marked
☐ DO NOT ASK

☐ **10a** Are there any occupied or vacant living quarters besides your own in this building? ☐ Yes – Fill Table X ☐ No

☐ **10b** Are there any occupied or vacant living quarters besides your own on this floor? ☐ Yes – Fill Table X ☐ No

☐ **10c** Is there any other building on this property for people to live in – either occupied or vacant? ☐ Yes – Fill Table X ☐ No

OFFICE USE ONLY

11 GEOGRAPHIC LOCATION – FILL ON MOVER'S NEW CONTROL CARD

11a Is this address within the limits of a city, town, or village?
1 ☐ Yes – What is the name? _____
2 ☐ No – Not within the limits of a city, town, or village

11b
Address is 1 ☐ Within a SIPP PSU
2 ☐ 0-24
3 ☐ 25-49 Miles from a SIPP PSU
4 ☐ 50-74
5 ☐ 75-100
6 ☐ 100+

12 LAND USE

12a Follow instructions for box that is marked
1 ☐ URBAN – SKIP to item 13
2 ☐ RURAL Reg units and SP PL units coded 85-88 in 8d – ASK item 12b
SP PL units not coded 85-88 in 8d – Mark "No" in item 12b without asking, then go to item 13
3 ☐ Unclassified – ASK 12b, or mark by observation

12b During the past 12 months did sales of crops, livestock, and other farm products from this place amount to $1,000 or more?
1 ☐ Yes
2 ☐ No

INTRODUCTION

INITIAL VISIT – Hello, I am (Field Representative's name) from the United States Bureau of the Census. Here is my identification card. We are conducting a survey on the economic situation of people who live in the United States. I have some questions to ask you. Did you receive our letter?

RETURN VISIT – Hello, I am (Field Representative's name) from the United States Bureau of the Census. Here is my identification card. Several months ago this household was contacted concerning a survey on the economic situation of people who live in the United States. I have some further questions to ask on this subject. Did you receive our letter? GO TO ITEM 21I on page 2.

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13 CLASSIFICATION OF LIVING QUARTERS – Mark by observation

13a FIELD REPRESENTATIVE CHECK ITEM

Unit is
1 ☐ In a Special Place – Refer to Table 4 in Part C of manual and mark appropriate box in either 13c or 13d
2 ☐ NOT in a Special Place

13b ACCESS
1 ☐ Direct – Go to item 13c
2 ☐ Through another unit – Not a separate HU, combine with unit through which access is gained. Apply merged unit procedure if appropriate

13c HOUSING UNIT
1 ☐ House, apartment, flat
2 ☐ HU in nontransient hotel, motel, etc.
3 ☐ HU permanent in transient hotel, motel, etc.
4 ☐ HU in rooming house
5 ☐ Mobile home or trailer with NO permanent room added
6 ☐ Mobile home or trailer with one or more permanent rooms added
7 ☐ HU not specified above – Describe in notes

13d OTHER UNIT
8 ☐ Quarters not HU in rooming or boarding house
9 ☐ Unit not permanent in transient hotel, motel, etc.
10 ☐ Unoccupied site for mobile home, trailer, or tent
11 ☐ OTHER unit not specified above – Describe in notes

14 UNITS IN STRUCTURE

ASK IF NOT APPARENT –
How many housing units both occupied and vacant, are there in this structure?

1 ☐ Only OTHER units
2 ☐ Mobile home or trailer
3 ☐ One, detached
4 ☐ One, attached
5 ☐ Two
6 ☐ 3-4
7 ☐ 5-9
8 ☐ 10-19
9 ☐ 20-49
10 ☐ 50 or more

15 TENURE

Are your living quarters –
1 ☐ Owned or being bought by you or someone in your household?
2 ☐ Rented for cash?
3 ☐ Occupied without payment of cash rent?

16 CHARACTERISTICS OF UNIT – UPDATE/VERIFY EACH WAVE

ASK ONLY IF UNIT IS RENTED (Otherwise go to item 16a on page 2, or 21b if first interview at mover's new address)

16a Is this residence in a public housing project, that is, is it owned by a local housing authority?
1 ☐ Yes – Go to item 19a, page 2 OR 21b if first interview at mover's new address
2 ☐ No
x1 ☐ DK

16b Is the Federal, State or local government paying part of the cost of this road for this residence?
1 ☐ Yes } Go to item 19a, page 2 OR 21b if first interview at mover's new address
2 ☐ No
x1 ☐ DK

NOTES

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36 HOUSEHOLD FINAL INTERVIEW STATUS – Complete after interview

Wave (a)	Code (b)	If codes 08, 18, or 22, specify (c)
1		
2		
3		
4		
5		
6		
7		
8		

37 CHARACTERISTICS OF TYPE A OR D HOUSEHOLD
Verify for each wave assigned

37a Race of reference person – Enter code from flashcard

37b Sex of reference person
1 ☐ Male
2 ☐ Female

37c Size of household – Count all children and adults

38 RECORD OF VISITS, CONTROL CARD RESPONDENT PERSON NUMBER AND APPOINTMENTS

Wave (a)	Month (b)	Day (c)	Personal visits Tally (d)	Personal visits Total (e)	Telephone calls Tally (f)	Telephone calls Total (g)	cc respondent person number (h)	O – Observ. R – Refsd. (i)	Appointment time and date NA – No appointment (j)	Field Representative name (k)
1										
2										
3										
4										
5										
6										
7										
8										

---

39 FUTURE CONTACTS – Read Flashcard T and 6B 39a–c. Verify and update for waves 2-8. If additional contacts required, use page 4.

39a What is your telephone number?
(   ) ☐ Refused ☐ None

39b What is the best time to call or visit? ☐ a.m. ☐ p.m.

39c Please give me the name, address, and telephone number of a close relative or friend who would know how to reach you if you are unable to contact you.

Name _____ Relationship to person no. _____

Address (No., St., Apt. No., City, State, ZIP code) _____ Telephone number (Include area code) _____

CODES FOR HOUSEHOLD INTERVIEW STATUS

Wave 1 interview status	Waves 2-8 interview status

01 – Interviewed

Type A – Noninterview
02 – No one home
03 – Temporarily absent
04 – Refused
05 – Unable to locate
06 – Other – Specify

Type B – Noninterview
08 – Vacant
10 – Occupied by persons with URE
11 – Unfit or to be demolished
12 – Under construction, not ready
13 – Converted to temporary business or storage
14 – Unoccupied site for mobile home, trailer, or tent
15 – Permit granted, construction not started
16 – Other – Specify

Type C – Noninterview
17 – Demolished
18 – House or trailer moved
19 – Converted to permanent business or storage
20 – Merged
21 – Condemned
22 – Other – Specify

01 – Interviewed

Type A – Noninterview
02 – No one home
03 – Temporarily absent
04 – Refused
05 – Unable to locate
06 – Other – Specify

Type C – Noninterview
22 – Deleted sample adjustment, error
23 – Entire household deceased, moved out of country, or living in armed forces barracks

Type D – Noninterview
24 – Moved, address unknown
25 – Moved within country beyond limits

26 – All sample persons relisted on new Control Card(s) (On old cc enter "26" in item 36)

| 34a | MOVERS | | | | PGM 4, Cont'd | | 35 | MERGED HOUSEHOLD MATCH TABLE |

34a MOVERS

| Person number(s) | | Entire HH moved ☐ — If box is marked fill 34b | New telephone number |

1

New address — Number and street

| City | State | ZIP Code |

| Other identification | | Wave move discovered |

| Person number(s) | | New telephone number |

2

New address — Number and street

| City | State | ZIP Code |

| Other identification | | Wave move discovered |

| Person number(s) | | New telephone number |

3

New address — Number and street

| City | State | ZIP Code |

| Other identification | | Wave move discovered |

| Person number(s) | | New telephone number |

4

New address — Number and street

| City | State | ZIP Code |

| Other identification | | Wave move discovered |

| Person number(s) | | New telephone number |

5

New address — Number and street

| City | State | ZIP Code |

| Other identification | | Wave move discovered |

PGM 4, Cont'd

OFFICE USE ONLY | 0056 | | | | | |

34b If entire household moves, try to determine:

Is the address within the limits of a city, town, or village?

1 ☐ Yes — What is the name?

2 ☐ No — Not within the limits of a city, town, or village

35 MERGED HOUSEHOLD MATCH TABLE

New person number	PREVIOUS IDENTIFICATION					
	PSU	Segment	Serial	Sample designation	Entry address ID	Person number
(a)	(b)	(c)	(d)	(e)	(f)	(g)
0066	0058	0060	0062	0064	0066	0068
0070	0072	0074	0076	0078	0080	0082
0084	0086	0088	0090	0092	0094	0096
0098	0100	0102	0104	0106	0108	0110
0112	0114	0116	0118	0120	0122	0124
0126	0128	0130	0132	0134	0136	0138
0140	0142	0144	0146	0148	0150	0152
0154	0156	0158	0160	0162	0164	0166

CODES FOR 19b

01 — Reference Person WITH relatives in household
02 — Reference Person with NO relatives in household
03 — Husband/Wife
04 — Natural/adopted child
05 — Stepchild
06 — Foster child
07 — Grandchild
08 — Parent
09 — Brother/Sister
10 — Other relative of Reference Person
11 — Non-relative of Reference Person WITH OWN relatives in household
12 — Partner/roommate
13 — Non relative of Reference Person (other than partner/roommate) with NO OWN relatives in household

ENTERED CODES FOR 23

Entered — This Wave
01 — Birth
02 — Marriage
03 — Other
04 — (Use only with Item 21d)
13 — Re-entered sample after missing one or more waves
16 — From Institution
17 — From Armed Forces barracks
18 — From outside the country
19 — Due to separation or divorce

Entered — Should have been added in a previous wave
21 — Birth
22 — Marriage
23 — Other
24 — Sample person added during second interview period
36 — From Institution
37 — From Armed Forces barracks
38 — From outside the country
39 — Due to separation or divorce

LEFT CODES FOR 23

Left — This Wave
05 — Deceased
06 — Institutionalized
07 — Living in Armed Forces barracks
08 — Moved outside of country
09 — Separation or divorce
10 — Person number 201 + no longer living with sample person
11 — Other
12 — Use this code if instructed by your office
99 — Listed in error

Left — Should have been deleted in a previous wave
25 — Deceased
26 — Institutionalized
27 — Living in Armed Forces barracks
28 — Moved outside of country
29 — Separation or divorce
30 — 201 + person no longer living with sample person
31 — Other

CODES FOR 30

01 — German
02 — English
03 — Irish
04 — French
05 — Italian
06 — Scottish
07 — Polish
08 — Dutch
09 — Swedish
10 — Norwegian
11 — Russian
12 — Ukrainian
13 — Welsh
14 — Mexican-American
15 — Chicano
16 — Mexican
17 — Puerto Rican
18 — Cuban
19 — Central or South American (Spanish speaking)
20 — Other Spanish
21 — Afro-Amer. (Black or Negro)
30 — Another group not listed
39 — Don't know

CODES FOR 29

1 — White
2 — Black
3 — American Indian, Eskimo or Aleut
4 — Asian or Pacific Islander
5 — Other — Specify below —

Person No.	Specify race

CODES FOR 32b

If more than one code applies, start with lowest number and enter codes in ascending order. Thus, if person served in Vietnam and in Korea enter "1", and then "2".

1 — Vietnam Era (Aug. '64 – April '75)
2 — Korean Conflict (June '50 – Jan. '55)
3 — World War II (Sept. '40 – July '47)
4 — World War I (Apr. '17 – Nov. '18)
5 — May 1975 to August 1980
6 — September 1980 or later
7 — Other Service (All other periods)

| 39 | | 39 | | 39 | |

FUTURE CONTACTS (Continued) — Read Flashcard T and fill 39c. Verify and update for Waves 2 – 8.

39c Please give me the name, address, and telephone number of a close relative or friend who would know how to reach you if we are unable to contact you.

| Name | Relationship to person no. ____ |
| Address (No., St., Apt. No., City, State, ZIP Code) | Telephone number (Include area code) |

FUTURE CONTACTS (Continued) — Read Flashcard T and fill 39c. Verify and update for Waves 2 – 8.

39c Please give me the name, address, and telephone number of a close relative or friend who would know how to reach you if we are unable to contact you.

| Name | Relationship to person no ____ |
| Address (No., St., Apt. No., City, State, ZIP Code) | Telephone number (Include area code) |

FUTURE CONTACTS (Continued) — Read Flashcard T and fill 39c. Verify and update for Waves 2 – 8.

39c Please give me the name, address, and telephone number of a close relative or friend who would know how to reach you if we are unable to contact you.

| Name | Relationship to person no. ____ |
| Address (No., St., Apt. No., City, State, ZIP Code) | Telephone number (Include area code) |

FIELD REPRESENTATIVE INSTRUCTIONS ▶ These columns are to be filled after the interview. Fill a column for each household member listed in Household Roster who is age 15 or older.

B1-4

Column 1

40 Person number **41** Name

Respondent person number

| W1 | W2 | W3 | W4 | W5 | W6 | W7 | W8 |

EMPLOYMENT

42 NAME OF EMPLOYER — Empl I.D.

| W1 | W2 | W3 | W4 | W5 | W6 | W7 | W8 |

1
2
3
4

43 NAME OF BUSINESS/FARM — Bus I.D.

| W1 | W2 | W3 | W4 | W5 | W6 | W7 | W8 |

1
2
3

INTERVIEW STATUS

Line No. / Code / **44** PERSON INTERVIEW STATUS

| W1 | W2 | W3 | W4 | W5 | W6 | W7 | W8 |

0 — Ineligible for interview (code 993)
1 — Noninterview — No interview obtained (code 991)
2 — Interview — No ISS codes marked (code 992)

INCOME

Line No. / Code / **45** INCOME SOURCES (1 - 66) — Mark box only if indicated on ISS

| W1 | W2 | W3 | W4 | W5 | W6 | W7 | W8 |

3
4
5
6
7
8
9

46 ASSETS (100 - 150)

10
11
12
13
14
15
16

47 SPECIAL INDICATORS

17
18
19

Column 2

40 Person number **41** Name

Respondent person number

| W1 | W2 | W3 | W4 | W5 | W6 | W7 | W8 |

EMPLOYMENT

42 NAME OF EMPLOYER — Empl I.D.

| W1 | W2 | W3 | W4 | W5 | W6 | W7 | W8 |

1
2
3
4

43 NAME OF BUSINESS/FARM — Bus I.D.

| W1 | W2 | W3 | W4 | W5 | W6 | W7 | W8 |

1
2
3

INTERVIEW STATUS

Line No. / Code / **44** PERSON INTERVIEW STATUS

| W1 | W2 | W3 | W4 | W5 | W6 | W7 | W8 |

0 — Ineligible for interview (code 993)
1 — Noninterview — No interview obtained (code 991)
2 — Interview — No ISS codes marked (code 992)

INCOME

Line No. / Code / **45** INCOME SOURCES (1 - 66) — Mark box only if indicated on ISS

| W1 | W2 | W3 | W4 | W5 | W6 | W7 | W8 |

3
4
5
6
7
8
9

46 ASSETS (100 - 150)

10
11
12
13
14
15
16

47 SPECIAL INDICATORS

17
18
19

Column 3

40 Person number **41** Name

Respondent person number

| W1 | W2 | W3 | W4 | W5 | W6 | W7 | W8 |

EMPLOYMENT

42 NAME OF EMPLOYER — Empl I.D.

| W1 | W2 | W3 | W4 | W5 | W6 | W7 | W8 |

1
2
3
4

43 NAME OF BUSINESS/FARM — Bus I.D.

| W1 | W2 | W3 | W4 | W5 | W6 | W7 | W8 |

1
2
3

INTERVIEW STATUS

Line No. / Code / **44** PERSON INTERVIEW STATUS

| W1 | W2 | W3 | W4 | W5 | W6 | W7 | W8 |

0 — Ineligible for interview (code 993)
1 — Noninterview — No interview obtained (code 991)
2 — Interview — No ISS codes marked (code 992)

INCOME

Line No. / Code / **45** INCOME SOURCES (1 - 66) — Mark box only if indicated on ISS

| W1 | W2 | W3 | W4 | W5 | W6 | W7 | W8 |

3
4
5
6
7
8
9

46 ASSETS (100 - 150)

10
11
12
13
14
15
16

47 SPECIAL INDICATORS

17
18
19

NOTICE — Your report to the Census Bureau is confidential by law (title 13, U.S. Code). It may be seen only by sworn Census employees and may be used only for statistical purposes.

	PGM 6	**1.** Book ____ of ____	**2.** (cc 1) R.O. code	**3a.** (cc 2) PSU Segment Serial Sample	Check digit	**b.** (cc 3) Add. ID
					1 0	

SURVEY OF INCOME AND PROGRAM PARTICIPATION

1990 PANEL

WAVE 4 QUESTIONNAIRE

4. (cc 17)
a. Entry Add. ID

b. PERSON Number (cc 18)

C. Name (cc 19a)

First

Middle initial

5. PERSON CHARACTERISTICS — Fill a,b,c, and d using the control card

a. Relationship code (cc 19b)

b. Date of birth (cc 24)
Month Day Year

c. Sex code (cc 28)

d. Marital status code (cc 26a)

6. Field Representative identification
Code   Name

---

7. PERSON INTERVIEW STATUS

a. Interview
1 ⬜ Self ⎫ SKIP
2 ⬜ Proxy _____→ _____ ⎬ to 8
(Enter person number) ⎭

b. Noninterview
1 ⬜ Type Z refusal   2 ⬜ Type Z other

8. Date of interview for this person
_____ Month _____ Day ⎫ Fill start time in item 9a. then go to Introduction

9a. Interview time for this person

	Initial visit	Callback visit
	a.m.	a.m.
Start time →	p.m.	p.m.
	a.m.	a.m.
Finish time →	p.m.	p.m.

b. Total interview time for this person _____ Minutes

10a. Field Representative edit time

Start time ──────→	a.m. / p.m.
Finish time ──────→	a.m. / p.m.

b. Total Field Representative edit time _____ Minutes

11a. Pre-interview transcription time

Start time ──────→	a.m. / p.m.
Finish time ──────→	a.m. / p.m.

b. Total pre-interview time for transcription _____ Minutes

12. 1 ⬜ Phone interview — Specify reason ↓

INTRODUCTION

FIELD REPRESENTATIVE INSTRUCTIONS — Read introduction once to each respondent. Do not repeat to another respondent who was in the room when you earlier read the introduction.

(As I described during my last visit,) This survey is about the economic situation of people living in the United States. Most of the questions will be about ....'s activities during _____, _____, _____, and _____.

Here is a calendar that shows the 4 months we will be talking about. (Hand respondent Flashcard J.) This time period is very important, so if you have any questions about what period is being referred to during the interview, please ask me.

We need the most accurate and complete information possible. Please think carefully about each question, search your memory and take your time in answering. For some of the questions it will help to look up the answers by checking whatever records are available to you here. (GO TO CHECK ITEM N1.)

CHECK ITEM N1	Does ...'s person number begin with a "4"?

PGM 7
0900
1 ⬜ Yes
2 ⬜ No — SKIP to section 1, item 1, page 2

CHECK ITEM N2	Was ... missed when household members were listed for Wave 1?

0901
1 ⬜ Yes — SKIP to section 1, item 1, page 2.
2 ⬜ No

13a. On March 31, 1990, was ... living in any of the kinds of places listed on this card? (Show Flashcard P)

0914
1 ⬜ Yes
2 ⬜ No — SKIP to section 1, item 1, page 2.
x1 ⬜ DK ⎫ SKIP to section 1,
x2 ⬜ Ref. ⎭ item 1, page 2

b. Which code on this card represents the kind of place ... was living in on March 31, 1990?

0916
1 ⬜ Armed Forces barracks
2 ⬜ Outside the United States
3 ⬜ Nonhousehold setting

NOTES

6a. Does ... have a KEOGH account in ...'s OWN name?   `8284`

₁ ☐ Yes
₂ ☐ No
ₓ₁ ☐ DK ⎤ SKIP to 7a
ₓ₂ ☐ Ref. ⎦

b. For how many years has ... contributed to ...'s KEOGH account?   `8286`

☐☐☐☐ Years
ₓ₁ ☐ DK
ₓ₂ ☐ Ref. — SKIP to 7a

c. As of (Read last day of reference period), what was the total balance or market value of assets in ...'s KEOGH account(s)?   `8288`

★

$ ☐☐☐☐ . 00 — SKIP to 6e
ₓ₁ ☐ DK
ₓ₂ ☐ Ref. — SKIP to 7a

d. If I were to call back later would you be able to provide me with an estimate of the amount? (This information is especially important for the purposes of this survey.)   `8290`

₁ ☐ Yes — Mark Callback Summary and Reminder Card, Item 18
₂ ☐ No — SKIP to 7a

(SHOW FLASHCARD AA)
e. As of (Read last day of reference period), which kinds of assets did ... hold in ...'s KEOGH account(s)?

Mark (X) all that apply

Anything else?

`8292` ₁ ☐ Certificates of deposit or other savings certificates
`8294` ₂ ☐ Money Market Funds
`8296` ₃ ☐ U.S. Government Securities
`8298` ₄ ☐ Municipal or Corporate Bonds
`8300` ₅ ☐ U.S. Savings Bonds
`8302` ₆ ☐ Stocks or Mutual Fund Shares
`8304` ₇ ☐ Other assets — Specify ▸

`8306` ₓ₁ ☐ DK

7a. Does ... have any life insurance? (Include group policies provided by employers.)   `8308`

₁ ☐ Yes
₂ ☐ No
ₓ₁ ☐ DK ⎤ SKIP to Statement D
ₓ₂ ☐ Ref. ⎦

b. What is the current FACE VALUE of ALL life insurance policies that ... has?   `8309`

$ ☐☐☐ . 00
ₓ₁ ☐ DK
ₓ₂ ☐ Ref.

`8310` . ☐ Office Use Only

CHECK ITEM T3 | Is "Worked" (code 170) marked on the ISS?   `8311`

. ☐ Yes
₂ ☐ No — SKIP to Statement D

7c. Are any of ...'s life insurance policies provided through ...'s current employer(s)?   `8312`

₁ ☐ Yes
₂ ☐ No — SKIP to Statement D

d. What is the FACE VALUE of the life insurance policies provided through ...'s employer(s)?   `8313`

$ ☐☐☐ . 00
ₓ₁ ☐ DK
ₓ₂ ☐ Ref.

NOTES

B2-2

Part B — RETIREMENT EXPECTATIONS AND PENSION PLAN COVERAGE

Statement D   Read to respondent: **These next questions concern . . .'s retirement expectations and pension plan coverage.**

CHECK ITEM T4

Are any employers entered in question 2a on page 16 or question 10a on page 18?

`8324`   ₁☐ Yes — *Enter name(s) and job number(s) below*
      ₂☐ No — *SKIP to Check Item T7, page 64*

Employer 1	Employer 2
Employer name	Employer name
Employer ID Number	Employer ID Number
`8326` _____	`8328` - _____ -

(For each employer ask item 1a through item 3m on page 63, and then return for next employer.)

	Employer 1	Employer 2
1a. About how many persons are employed by *(Read employer's name)* **at the location where . . . works — would you say** *(Read categories)*?	`8330` ₁☐ Under 25 ₂☐ 25 to 99 ₃☐ 100 to 499 ₄☐ 500 to 999 ₅☐ 1000 or more } *SKIP to 2a. page 62* x₁☐ DK	`8332` ₁☐ Under 25 ₂☐ 25 to 99 ₃☐ 100 to 499 ₄☐ 500 to 999 ₅☐ 1000 or more } *SKIP to 2a. page 62* x₁☐ DK
b. Does *(Read employer's name)* **operate in more than one location?**	`8334` ₁☐ Yes ₂☐ No } *SKIP to 2a. page 62* x₁☐ DK	`8336` ₁☐ Yes ₂☐ No } *SKIP to 2a. page 62* x₁☐ DK
c. About how many persons are employed by *(Read employer's name)* **at all locations — would you say** *(Read categories)*?	`8338` ₁☐ Under 25 ₂☐ 25 to 99 ₃☐ 100 to 499 ₄☐ 500 to 999 ₅☐ 1000 or more x₁☐ DK	`8340` ₁☐ Under 25 ₂☐ 25 to 99 ₃☐ 100 to 499 ₄☐ 500 to 999 ₅☐ 1000 or more x₁☐ DK

NOTES

Part B — RETIREMENT EXPECTATIONS AND PENSION PLAN COVERAGE (Continued)

	Employer 1	Employer 2

2a. Does . . .'s employer or union have a retirement plan for any of its employees?
 	
(Exclude Social Security and Railroad Retirement.)
	`8342` ₁☐ Yes
	
	 ₂☐ No ⎫ *SKIP to*
	         ⎬ *Check*
	 x₁☐ DK ⎭ *Item T5*
		`8344` ₁☐ Yes
		
		 ₂☐ No ⎫ *SKIP to*
		         ⎬ *Check Item*
		 x₁☐ DK ⎭ *T7, page 64*

b. Is . . . included in such a plan?	`8346` ₁☐ Yes — *SKIP to 3a* ₂☐ No x₁☐ DK — *SKIP to Check Item T5*	`8348` ₁☐ Yes — *SKIP to 3a* ₂☐ No x₁☐ DK — *SKIP to Check Item T7, page 64*
c. Why isn't . . . included in such a plan? *Mark (X) all that apply*	`8350` ₁☐ Chose not to belong `8354` ₂☐ No one in . . .'s type of job can belong `8358` ₃☐ . . . does not work enough hours, weeks, or months per year `8362` ₄☐ . . . started this job too close to . . .'s retirement date `8366` ₅☐ . . . is too young `8370` ₆☐ . . . has not worked for this employer long enough `8374` ₇☐ Other — *Specify* ↴ `8378` x₁☐ DK	`8352` ₁☐ Chose not to belong `8356` ₂☐ No one in . . . s type of job can belong `8360` ₃☐ . . . does not work enough hours, weeks, or months per year `8364` ₄☐ . . . started this job too close to . . . s retirement date `8368` ₅☐ . . . is too young `8372` ₆☐ . . . has not worked for this employer long enough `8376` ₇☐ Other — *Specify* ↴ `8380` x₁☐ DK

CHECK ITEM T5

Is another employer listed in Check Item T4, page 61?

	Employer 1	Employer 2
	`8382` ₁☐ Yes — *Ask item 1a, page 61 for next employer* ₂☐ No — *SKIP to Check Item T7, page 64*	*SKIP to Check Item T7 page 64*
3a. Is . . . included in more than one retirement or pension plan on this job?	`8384` ₁☐ Yes ₂☐ No x₁☐ DK	`8386` ₁☐ Yes ₂☐ No x₁☐ DK
b. Is . . .'s (basic) retirement plan a profit sharing plan?	`8388` ₁☐ Yes — *SKIP to 3d* ₂☐ No x₁☐ DK	`8390` ₁☐ Yes — *SKIP to 3d* ₂☐ No x₁☐ DK
c. Are the retirement benefits of . . .'s (basic) pension plan determined by years of service and pay, or by the amount of contributions to the plan? *Mark (X) only one*	`8392` ₁☐ Based on years of service and pay ₂☐ Based on the amount contributed to the plan x₁☐ DK	`8394` ₁☐ Based on years of service and pay ₂☐ Based on the amount contributed to the plan x₁☐ DK
d. Does *(Read employer's name)* make payments towards . . .'s (basic) plan?	`8396` ₁☐ Yes ₂☐ No x₁☐ DK	`8398` ₁☐ Yes ₂☐ No x₁☐ DK

Part B — RETIREMENT EXPECTATIONS AND PENSION PLAN COVERAGE (Continued)

	Employer 1	Employer 2
3e. Does . . . make payments toward . . . 's (basic) plan? (Include payments deducted from . . . 's pay.)	**8400** ₁☐ Yes ₂☐ No ⎫ ₓ₁☐ DK ⎬ *SKIP to 3g*	**8402** ₁☐ Yes ₂☐ No ⎫ ₓ₁☐ DK ⎬ *SKIP to 3g*
f. How much does . . . contribute toward . . . 's (basic) plan?	**8404** $ _____ . 00 PER — **8408** ₁☐ Week ₂☐ Biweekly ₃☐ Month ₄☐ Quarter ₅☐ Year OR **8412** _____ . ___ Percent of salary OR **8416** ₓ₁☐ DK ₓ₂☐ Ref.	**8406** $ _____ . 00 PER — **8410** ₁☐ Week ₂☐ Biweekly ₃☐ Month ₄☐ Quarter ₅☐ Year OR **8414** _____ . ___ Percent of salary OR **8418** ₓ₁☐ DK ₓ₂☐ Ref.
g. How long has . . . been included in this (basic) plan? (Include only the years that count toward . . . 's retirement benefits.) *(If respondent reports years and months round to full years)*	**8420** _____ Years ☐ Less than 1 year ₓ₁☐ DK	**8422** _____ Years ☐ Less than 1 year ☐ DK
h. If . . . were to leave *(Read employer's name)* now or in the next few months, could . . . eventually receive some benefits from this plan upon reaching retirement age?	**8424** ☐ Yes — *SKIP to 3i* ₂☐ No ₓ₁☐ DK — *SKIP to 3i*	**8426** ☐ Yes — *SKIP to 3i* ₂☐ No ₓ₁☐ DK — *SKIP to 3i*
i. Is that because . . . has not been included in the plan enough years?	**8428** ☐ Yes ₂☐ No ₓ☐ DK	**8430** ☐ Yes ₂☐ No ₓ☐ DK
j. Under this plan, could . . . 's retirement benefits from this plan be received in a lump-sum payment? (Do not include lump-sum payments which are entirely refunds of . . . 's contributions to the plan.)	**8432** ☐ Yes ₂☐ No ₓ☐ DK	**8436** ☐ Yes ₂☐ No ₓ☐ DK
k. Does *(Read employer's name)* offer a 401K or thrift plan? Such a plan allows employees to defer part of their salary and not have to pay taxes on the deferred salary until they retire or withdraw the money.	**8438** ☐ Yes ₂☐ No ⎫ *SKIP to Check* ₓ₁☐ DK ⎬ *Item T6*	**8440** ☐ Yes ₂☐ No ⎫ *SKIP to Check Item T7, page 64* ₓ₁☐ DK ⎭
l. Does . . . participate in this plan?	**8442** ₁☐ Yes ₂☐ No ⎫ *SKIP to Check* ₓ₁☐ DK ⎬ *Item T6*	**8444** ₁☐ Yes ₂☐ No ⎫ *SKIP to Check Item T7, page 64* ₓ₁☐ DK ⎭
m. As of *(Read last day of reference period)*, what was the total amount . . . had in this plan?	**8443** $ _____ . 00 ₓ₁☐ DK ₓ₂☐ Ref.	**8445** $ _____ . 00 ₓ₁☐ DK ₓ₂☐ Ref.
CHECK ITEM T6 Is another employer listed in Check Item T4, page 61?	**8446** ☐ Yes — *Ask item 1a, page 61 for next employer* ₂☐ No — *Go to Check Item T7, page 64*	*Go to Check Item T7, page 64*

Part B — RETIREMENT EXPECTATIONS AND PENSION PLAN COVERAGE (Continued)

CHECK ITEM T7

Is . . . self employed?

(Are any businesses entered in question 1a on page 20 or question 12a on page 23?)

`8448` 1 ☐ Yes — *Enter names and business I.D. numbers below*

2 ☐ No — *SKIP to Check Item T8*

Ask item 4 for each business owned.

Name of first business	Name of second business

Business I.D. Number	Business I.D. Number
`8450`	`8452`

4. Not counting Social Security, IRA, KEOGH, and 401K accounts, is . . . covered by a pension or retirement plan in *(Read name of business)?*

`8454` 1 ☐ Yes
2 ☐ No
x1 ☐ DK

`8456` 1 ☐ Yes
2 ☐ No
x: ☐ DK

CHECK ITEM T8

Refer to cc item 24

Is . . . 55 to 64 years of age?

`8458` · ☐ Yes
2 ☐ No — *SKIP to Check Item T9*

5a. (Other than the plans we have already talked about) did . . . hold a job in the past from which . . . eventually expects to receive retirement benefits, either as a series of regular payments or as a lump-sum payment at retirement?

(Exclude Social Security, Railroad Retirement and other plans already reported.)

`8460` · ☐ Yes
: ☐ No
x1 ☐ DK
x2 ☐ Ref.   } *SKIP to Check Item T9*

b. Is this pension plan from —

(Read categories)

Mark (X) all that apply

`8462` 1 ☐ A private employer?
`8464` 2 ☐ Military?
`8466` 3 ☐ Federal Government (civilian)?
`8468` 4 ☐ State or local governments?
`8470` 5 ☐ A union?
`8472` 6 ☐ Other — Specify _____

c. How many years (altogether) did . . . work on (that job/those jobs)?

`8474` _____ Years
x: ☐ DK

CHECK ITEM T9

Refer to cc item 24

Is   62 years of age or older?

`8475` · ☐ Yes
: ☐ No — *SKIP to Check Item T10*

6a. Did . . . ever receive a lump sum payment from a pension or retirement plan provided by . . .'s employer or union?

(Include refunds of . . . 's own contributions to the plan.)

`8476` 1 ☐ Yes
2 ☐ No
x1 ☐ DK
x2 ☐ Ref.   } *SKIP to Check Item T10*

b. How many times did . . . receive a lump sum payment?

`8477` _____ Number of times
x1 ☐ DK

c. When did . . . receive the (most recent) lump sum payment?

`8478` 1 9 ____ Year
x1 ☐ DK

d. Approximately how much did . . . receive?

`8479` !$ _____ . 00
x1 ☐ DK
x2 ☐ Ref

e. At the time . . . received the (most recent) lump sum payment, did . . . roll over the funds into an IRA or put them into another (or same) pension or retirement plan?

`8480` 1 ☐ Yes — *SKIP to Check Item T10*
2 ☐ No
x1 ☐ DK
x2 ☐ Ref.   } *SKIP to Check Item T10*

Part B — RETIREMENT EXPECTATIONS AND PENSION PLAN COVERAGE (Continued)

6f. At the time . . . received the lump sum payment, what did . . . do with those funds?

Mark (X) all that apply.

Anything else?

`8481`
- 1 ☐ Purchased a home or paid off a mortgage
- 2 ☐ Used it for children's education
- 3 ☐ Used it for a period of unemployment
- 4 ☐ Paid off loans, bills, or spent it on other items
- 5 ☐ Other — Specify ↘

_____

- x1 ☐ DK

CHECK ITEM T10

Are codes 30, 31, 32, 33, 34, or 35 marked on the ISS?

`8482`
- 1 ☐ Yes
- 2 ☐ No — *SKIP to Check Item T11, page 67*

Earlier you said . . . received some retirement income other than Social Security.

7a. Did . . . receive these benefits because . . . retired from a job or business or for some other reason?

`8483`
- 1 ☐ Retired from job
- 2 ☐ Some other reason
- x1 ☐ DK
- x2 ☐ Ref.

} *SKIP to Check Item T11, page 67*

The next few questions refer to the job in the past from which . . . received the retirement income.

If . . . received a pension from more than 1 source, ask about source of largest retirement income.

`PGM 8`

`8484`

_____

b. What kind of business or industry was . . .'s employer?

For example: TV and radio manufacturing, retail shoe store, State Labor Department, farm.

_____

_____

ASK OR VERIFY —

c. Was it mainly —

`PGM 8`

`8486`
- 1 ☐ Manufacturing?
- 2 ☐ Wholesale trade?
- 3 ☐ Retail trade?
- 4 ☐ Some other kind of business?

---

d. What kind of work was . . . doing on that job?

For example: Electrical engineer, stock clerk, typist, farmer.

`PGM 8`

`8488`

_____

_____

---

e. What were . . .'s main activities or duties?

For example: Types, keeps account books, files, sells cars, operates printing press, finishes concrete.

`PGM 8`

`8490`

_____

_____

ASK OR VERIFY —

f. Was . . . an employee of —

`PGM 8`

`8492`
- 1 ☐ A private company or union?
- 2 ☐ Federal Government (exclude Armed Forces)?
- 3 ☐ State Government?
- 4 ☐ Local Government?
- 5 ☐ Armed Forces?
- 6 ☐ Unpaid in family business or farm? — *SKIP to Check Item T11, page 67*

NOTES

Part B — RETIREMENT EXPECTATIONS AND PENSION PLAN COVERAGE (Continued)

8a. About how many persons were employed by that employer at the location ... worked?

`PGM 7`

`8494`
1 ☐ Under 25
2 ☐ 25 to 99
3 ☐ 100 to 499
4 ☐ 500 to 999
5 ☐ 1,000 or more } SKIP to 8d
x1 ☐ DK

b. Did that employer operate in more than one location?

`8496`
1 ☐ Yes
2 ☐ No } SKIP to 8d
x1 ☐ DK

c. About how many persons were employed by that employer at ALL LOCATIONS?

`8498`
1 ☐ Under 25
2 ☐ 25 to 99
3 ☐ 100 to 499
4 ☐ 500 to 999
5 ☐ 1,000 or more
x1 ☐ DK

d. How many HOURS a week did ... usually work at that job?

`8500`
_____ Hours per week
x1 ☐ DK

e. How many WEEKS a year did ... usually work at that job?

(Include paid vacations and sick leave.)

`8502`
_____ Weeks per year
x1 ☐ DK

f. How many YEARS did ... work at that job?

`8504`
_____ Years
x1 ☐ DK

g. In what year did ... leave that job?

`8506`
1 9 _____ Year
x1 ☐ DK

h. When ... left that job, how much was ... earning (before deductions for taxes or anything else)?

(If self-employed, show NET business income.)

`8508` |$ _____ . 00 |

PER —
`8510`
1 ☐ Week
2 ☐ Month
3 ☐ Year

OR
`8512`
x1 ☐ DK
x2 ☐ Ref — SKIP to Check Item T11

i. In what year did ... begin receiving this pension?

`8514`
1 9 _____
x1 ☐ DK

j. Was the amount of ...'s (basic) retirement benefits based on ...'s years of service and pay, or on the amount of ...'s contributions to the plan?

`8516`
1 ☐ Based on years of service and pay
2 ☐ Based on the amount contributed to plan
x1 ☐ DK

k. Did ... take reduced benefits in order to elect a survivor option?

`8518`
1 ☐ Yes
2 ☐ No
x1 ☐ DK

l. Has ...'s retirement pension ever been increased for cost-of-living changes?

`8520`
1 ☐ Yes — SKIP to 8n
2 ☐ No
x1 ☐ DK

m. Does ...'s pension plan include a cost-of-living adjustment provision?

`8522`
1 ☐ Yes
2 ☐ No
x1 ☐ DK

ASK OR VERIFY —

n. Is ... now covered by a health plan provided through ...'s former employer?

`8524`
1 ☐ Yes
2 ☐ No
x1 ☐ DK

Part C — REAL ESTATE PROPERTY AND VEHICLES

CHECK ITEM T11	Is this the reference person's questionnaire?	`8526`	1 ☐ Yes 2 ☐ No — SKIP to Check Item P1, page 71

Statement E ▶ Read to respondent: **These next questions concern housing costs and automobile ownership.**

CHECK ITEM T12	Refer to cc item 14. Is this housing unit a mobile home?	`8528`	1 ☐ Yes — SKIP to Check Item T16 2 ☐ No

CHECK ITEM T13	Refer to cc item 15. Tenure	`8530`	1 ☐ Owned or being bought 2 ☐ Rented for cash } SKIP to Check Item T17 3 ☐ Occupied without cash payment

ASK OR VERIFY —

1a. Which persons in this household are the owners of this home?

Person No. / Name

`8532`

`8534`

`8536`

b. In what month and year was this home purchased?

Month `8538` _____   Year `8539` .1 ¦ 9 _____

x· ☐ DK   x· ☐ DK

c. (Including rental properties attached to or located on . . .'s own residence), is there a mortgage, home equity loan, or other debt on this home?

`8540` · ☐ Yes

· ☐ No
x1 ☐ DK } SKIP to 2
x2 ☐ Ref.

d. Altogether, how many mortgages, home equity loans, or other debts are there on this home?

`8542` _____ Number
x1 ☐ DK

(Ask questions 1e — 1k for first mortgage and then return to 1e again for any second mortgage or other loan.)

	First mortgage	Second mortgage or other loan
e. How much principal is currently owed on this (first/other) mortgage (debt)? (If possible, please check any records you may have from the lender or mortgage company to obtain the most accurate estimate available.)	`8564` ⎢$ _____ . 00⎥ x1 ☐ DK x2 ☐ Ref. `8565` 1 ☐ Office Use Only	`8566` ⎢$ _____ . 00⎥ x1 ☐ DK x2 ☐ Ref. `8567` 1 ☐ Office Use Only
f. In what year was this mortgage (loan) obtained? (If mortgage was assumed, give the original date of the mortgage.)	`8568` 1 ·9 _____ Year — If 1989, 1990, or 1991, ask month x· ☐ DK `8569` _____ Month x1 ☐ DK	`8570` 1 9 _____ Year — If 1989, 1990, or 1991, ask month x· ☐ DK `8571` _____ Month x1 ☐ DK
g. What was the amount of the mortgage (loan) when it was obtained or last refinanced? (If mortgage was assumed, give the original amount of the mortgage.)	`8572` ⎢$ _____ . 00⎥ x1 ☐ DK x2 ☐ Ref. — SKIP to 2 `8573` 1 ☐ Office Use Only	`8574` ⎢$ _____ . 00⎥ x1 ☐ DK x2 ☐ Ref. — SKIP to 2 `8575` 1 ☐ Office Use Only
h. What is the total number of years over which payments are to be made?	`8576` _____ Years x8 ☐ Not fixed x1 ☐ DK	`8578` _____ Years x8 ☐ Not fixed x1 ☐ DK
i. What is the current annual interest rate on this mortgage (loan)?	`8580` _____ . _____ Percent x1 ☐ DK x2 ☐ Ref.	`8582` _____ . _____ Percent x1 ☐ DK x2 ☐ Ref.
j. Is the interest rate variable, that is, can the rate change over the term of the mortgage (loan)?	`8584` 1 ☐ Yes 2 ☐ No x1 ☐ DK	`8586` 1 ☐ Yes 2 ☐ No x1 ☐ DK

1k. Was this mortgage obtained through an FHA or VA mortgage program?

`8687` 1 ☐ Yes — FHA 2 ☐ Yes — VA 3 ☐ No x1 ☐ DK

`8589` 1 ☐ Yes — FHA 2 ☐ Yes — VA 3 ☐ No x1 ☐ DK

CHECK ITEM T14 — Refer to item 1d, page 67. Is there another loan or mortgage?

`8692` 1 ☐ Yes — Ask item 1e, page 67 for next loan or mortgage

Go to Check Item T15

2 ☐ No — SKIP to 2

CHECK ITEM T15 — Refer to item 1d, page 67. Are there 3 or more mortgages or loans on this home?

`8594` 1 ☐ Yes 2 ☐ No — SKIP to 2

1l. How much principal is currently owed on all the remaining mortgages or loans not reported previously?

`8596` Is _____ . `00`

x1 ☐ DK
x2 ☐ Ref.

`8597` 1 ☐ Office Use Only

---

2. (Including rental properties attached to or located on . . .'s own residence), what is the current value of this property; that is, how much do you think it would sell for on today's market if it were for sale?

`8598` Is _____ . `00` } SKIP to 5a

x1 ☐ DK
x2 ☐ Ref

`8599` ☐ Office Use Only

CHECK ITEM T16 — Refer to cc item 15. Tenure of mobile home

`8608` 1 ☐ Owned or being bought 2 ☐ Rented for cash } SKIP to Check Item T17 3 ☐ Occupied without cash rent

---

3a. Is there a mortgage, installment loan, contract to purchase, or other debt on this mobile home or SITE?

`8610` 1 ☐ Yes

2 ☐ No x1 ☐ DK } SKIP to 4 x2 ☐ Ref

---

b. Is this a mortgage, contract, or other debt for just the SITE, or does it also apply to this mobile home?

`8612` 1 ☐ Mobile home only 2 ☐ Site only 3 ☐ Site and home

---

c. How much principal is currently owed on this (these) mortgage(s)?

`8624` $ _____ `00`

x1 ☐ DK — Probe
x2 ☐ Ref

---

4. How much do you think this mobile home (and SITE) would sell for today if it were for sale?

`8630` $ _____ . `00` } SKIP to 5a

x1 ☐ DK — Probe
x2 ☐ Ref.

CHECK ITEM T17 — Refer to cc items 16a and 16b — Is this residence in a public housing project, is it subsidized, or is it neither public nor subsidized?

`8658` 1 ☐ In a public housing project } SKIP to 6a 2 ☐ Subsidized 3 ☐ Neither public nor subsidized

---

5a. Do you or anyone in this household own any (other) real estate, such as a vacation home or undeveloped lot? Exclude rental property previously reported.

`8660` 1 ☐ Yes

2 ☐ No x1 ☐ DK } SKIP to 6a

---

b. Which persons in this household are the owners of this (these) property(ies)?

Person N: _____ Name

`8662` _____

Person No _____ Name

`8664` _____

Part C — REAL ESTATE PROPERTY AND VEHICLES (Continued)

5c. What is the total value of (Read persons' names) equity in this (these) property(ies)? (By equity we mean the amount that could be obtained by selling the property and paying off any debts.)

`8666` $ [_____] . `00`

x1 ☐ DK — *Probe*
x2 ☐ Ref.

Count only share owned by household members.

`8667` ☐ Office Use Only

6a. Does anyone in this household own a car, van, or truck, excluding recreational vehicles (RV's) and motorcycles?

`8714` 1 ☐ Yes
2 ☐ No — *SKIP to 7a*

b. How many cars, trucks, or vans are owned by members of this household?

`8716` [_____] Number of motor vehicles

(Ask items 6c — 6f for vehicle 1 and then return to 6c for additional vehicles.)	Vehicle 1	Vehicle 2	Vehicle 3
c. Who is (are) the owners(s) of the (newest, next newest) motor vehicle?	Person No. `8718` _____ Name _____	Person No. `8720` _____ Name _____	Person No. `8722` _____ Name _____
	Person No. `8724` _____ Name _____	Person No. `8726` _____ Name _____	Person No. `8728` _____ Name _____
d. What is the year, make, and model of this vehicle?	`8730` 1 9 ____ x1 ☐ DK Make	`8732` 1 9 ____ x1 ☐ DK Make	`8734` 1 9 ____ x1 ☐ DK Make
	`8736` x1 ☐ DK Model	`8738` x1 ☐ DK Model	`8740` x1 ☐ DK Model
	`8742` x1 ☐ DK	`8744` x1 ☐ DK	`8746` x1 ☐ DK
	OFFICE USE ONLY `8748`	OFFICE USE ONLY `8750`	OFFICE USE ONLY `8752`
e. Is this vehicle owned free and clear, or is there still money owed on it?	`8754` 1 ☐ Money owed 2 ☐ Free and clear } *SKIP to Check Item T18* x1 ☐ DK	`8756` 1 ☐ Money owed 2 ☐ Free and clear } *SKIP to Check Item T18* x1 ☐ DK	`8758` 1 ☐ Money owed 2 ☐ Free and clear } *SKIP to 7a. page 70* x1 ☐ DK
f. How much is currently owed for this vehicle?	`8760` $ [____] . `00` x1 ☐ DK — *Probe* x2 ☐ Ref.	`8762` $ [____] . `00` x1 ☐ DK — *Probe* x2 ☐ Ref.	`8764` $ [____] . `00` x1 ☐ DK — *Probe* x2 ☐ Ref.

CHECK ITEM T18 Is there another vehicle which has not been asked about?

`8766` 1 ☐ Yes — *Ask 6c for next vehicle* 2 ☐ No — *Go to 7a page 70*	`8768` 1 ☐ Yes — *Ask 6c for next vehicle* 2 ☐ No — *Go to 7a. page 70*	*Go to 7a. page 70*

Part C — REAL ESTATE PROPERTY AND VEHICLES (Continued)

7a. Does anyone in this household own another kind of vehicle, not used for any business, such as a motorcycle, boat, or recreational vehicle?

`8770`	1 ☐ Motorcycle
`8772`	2 ☐ Boat
`8774`	3 ☐ Recreational vehicle (RV)
`8776`	4 ☐ Other — Specify _____
`8778`	5 ☐ No — SKIP to Check Item P1, page 71

Mark (X) all that apply.

Ask items 7b – 7e for each category of vehicle —	Category 1		Category 2	
b. Who is (are) the owner(s) of the *(Read first/second category marked in 7a)?*	Person No / Name `8780`		Person No / Name `8782`	
	Person No / Name `8784`		Person No / Name `8786`	

c. If this (these) vehicle(s) were sold, what would it (they) sell for in its (their) present condition?

`8788` $ _____ . 00	`8790` $ _____ . 00
x1 ☐ DK — Probe	x1 ☐ DK — Probe
x2 ☐ Ref. — SKIP to Check Item T19	x2 ☐ Ref. — SKIP to Check Item P1, page 71

d. Is (are) this (these) vehicle(s) owned free and clear, or is there still money owed on it (them)?

`8792` ☐ Money owed	`8794` ☐ Money owed
☐ Free and clear } SKIP to Check Item T19	☐ Free and clear } SKIP to Check Item P1, page 71
☐ DK	x1 ☐ DK

e. How much is currently owed for this (these) vehicle(s)?

`8796` $ _____ . 00	`8798` $ _____ . 00
☐ DK — Probe	x1 ☐ DK — Probe
☐ Ref.	x2 ☐ Ref.

CHECK ITEM T19	Is there another category which has not been asked about?	`8800` ☐ Yes — Ask 7b for next category	
		☐ No — Go to Check Item P1, page 71	Go to Check Item P1, page 71

NOTES

PROGRAMQUESTIONS

Section 5 — PROGRAM QUESTIONS

CHECK ITEM P1

Refer to cc item 19b.

Is this the reference person's questionnaire?

`4800`
1 ☐ Yes
2 ☐ No — SKIP to Check Item C1, page 72

CHECK ITEM P2

Refer to cc items 16a and 16b.

Is this residence owned by the local housing authority OR does the government pay part of the rent? ("Yes" marked in cc item 16a or 16b)

`4802`
1 ☐ Yes
2 ☐ No — SKIP to 2a

1a. What is your monthly rent?

Include only the amount the respondent pays for rent. Exclude any subsidized amount.

`4804`
$ _____ . 00

x3 ☐ None
x1 ☐ DK
x2 ☐ Ref. } SKIP to 2a

b. (In addition to rent,) do you pay for any utilities such as water, electricity, gas, or oil?

Exclude telephone.

`4806`
1 ☐ Yes
2 ☐ No
x1 ☐ DK

2a. The government has an energy assistance program which helps pay heating and cooling costs. This assistance can be received directly by the household or it can be paid directly to the electric or gas company, fuel dealer, or landlord. Has this household received assistance of this type during the past 4 months?

`4816`
1 ☐ Yes
2 ☐ No
x1 ☐ DK } SKIP to Check Item P3

b. Was this assistance received in the form of checks, coupons or vouchers sent to this household, or were the payments sent directly to a utility company, fuel dealer, or landlord?

Mark (X) all that apply.

`4818`
`4820`
`4822`
1 ☐ Checks sent to household
2 ☐ Coupons or vouchers sent to household
3 ☐ Payments sent directly to utility company, fuel dealer, or landlord

c. What was the total amount of the energy assistance received by this household during the past 4 months?

`4824`
$ _____ . 00
x ☐ DK

CHECK ITEM P3

Are there any children 5 to 18 years old who live in this household?

`4826`
1 ☐ Yes
2 ☐ No — SKIP to Check Item C1, page 72

3a. Do any of the children in this household usually receive a complete hot lunch offered at school?

`4828`
1 ☐ Yes
2 ☐ No — SKIP to Check Item C1, page 72

b. How many children?

`4830`
_____ Children

c. How many complete school lunches do all of the children receive per week?

`4832`
_____ Number of lunches
x ☐ DK

d. Did you (or another person) apply for the children to receive free or reduced-price lunches under the Federal School Lunch Program during this school year?

`4834`
1 ☐ Yes
2 ☐ No — SKIP to 3f

e. In the past 4 months, were the lunches free, reduced-price, or were they full-price?

`4836`
1 ☐ Free lunch — SKIP to 3g
2 ☐ Reduced-price lunch
3 ☐ Full-price lunch

f. What was the average price paid by all of the children for a complete school lunch?

`4838`
$ _____ . _____
x1 ☐ DK

g. Do any of the children usually receive breakfast at school under the Federal School Breakfast Program?

`4840`
1 ☐ Yes
2 ☐ No — SKIP to Check Item C1, page 72

h. How many children?

`4842`
_____ Children

i. How many complete school breakfasts do all of the children receive per week?

`4844`
_____ Number of breakfasts
x1 ☐ DK

j. In the past 4 months, were the breakfasts free, reduced-price, or were they full-price?

`4846`
1 ☐ Free breakfast
2 ☐ Reduced-price breakfast
3 ☐ Full-price breakfast

PROGRAM QUESTIONS

CALLBACK SUMMARY

CHECK ITEM C1 Are any items marked on Reminder Card for . . .? `5000` 1 ☐ Yes — *Mark appropriate item(s) below, then SKIP to Check Item C2*
2 ☐ No — *SKIP to Check Item C2*

1. Social Security Number
(Enter in cc item 33a)
☐ ☐ ☐ - ☐ ☐ - ☐ ☐ ☐   x1 ☐ DK   x3 ☐ None
x2 ☐ Ref.

2. Medicare claim number
(Item 23b, page 8) `5002` ☐☐☐ - ☐☐ `5004` ☐☐☐☐ - `5006` ☐

3. EMPLOYER

a. Employer #1 *(Item 8a, page 17)*

What was the total amount of pay received before deductions on this job in . . .?

`5006`	$. 00	Last month	x1 ☐ DK x2 ☐ Ref. x3 ☐ None
`5008`	$. 00	2 months ago	x1 ☐ DK x2 ☐ Ref. x3 ☐ None
`5010`	$. 00	3 months ago	x1 ☐ DK x2 ☐ Ref. x3 ☐ None
`5012`	$. 00	4 months ago	x1 ☐ DK x2 ☐ Ref. x3 ☐ None

b. Employer #2 *(Item 16a, page 19)*

What was the total amount of pay received before deductions on this job in . . .?

`5014`	$. 00	Last month	x1 ☐ DK x2 ☐ Ref. x3 ☐ None
`5016`	$. 00	2 months ago	x1 ☐ DK x2 ☐ Ref. x3 ☐ None
`5018`	$. 00	3 months ago	x1 ☐ DK x2 ☐ Ref. x3 ☐ None
`5020`	$. 00	4 months ago	x1 ☐ DK x2 ☐ Ref. x3 ☐ None

4. SELF-EMPLOYMENT

a. Self-employment #1 *(Item 7, page 21)*

What was the total amount of income received from this business in . . .?

`5022`	$. 00	Last month	x1 ☐ DK x2 ☐ Ref. x3 ☐ None
`5024`	$. 00	2 months ago	x1 ☐ DK x2 ☐ Ref. x3 ☐ None
`5026`	$. 00	3 months ago	x1 ☐ DK x2 ☐ Ref. x3 ☐ None
`5028`	$. 00	4 months ago	x1 ☐ DK x2 ☐ Ref. x3 ☐ None

b. Self-employment #2 *(Item 18, page 24)*

What was the total amount of income received from this business in . . .?

`5030`	$. 00	Last month	x1 ☐ DK x2 ☐ Ref. x3 ☐ None
`5032`	$. 00	2 months ago	x1 ☐ DK x2 ☐ Ref. x3 ☐ None
`5034`	$. 00	3 months ago	x1 ☐ DK x2 ☐ Ref. x3 ☐ None
`5036`	$. 00	4 months ago	x1 ☐ DK x2 ☐ Ref. x3 ☐ None

Amounts as of _____ (Month/day/year) _____ (the last day of the reference period)

5. SELF-EMPLOYMENT

	Business 1	Business 2
a. What was the total value of this business before figuring in any debts that might be owed against it?	`8850` $. 00 *(Item 11b, page 22)* x1 ☐ DK x2 ☐ Ref x3 ☐ None `8851` 1 ☐ Office Use Only	`8852` $. 00 *(Item 22b, page 25)* x1 ☐ DK x2 ☐ Ref. x3 ☐ None `8853` 1 ☐ Office Use Only
b. What was the total debt owed against this business?	`8854` $. 00 *(Item 11d, page 22)* x1 ☐ DK x2 ☐ Ref. x3 ☐ None `8855` 1 ☐ Office Use Only	`8856` $. 00 *(Item 22d, page 25)* x1 ☐ DK x2 ☐ Ref. x3 ☐ None `8857` 1 ☐ Office Use Only

6. What was the total amount in savings/Money market deposit accounts/CD's/Interest-earning checking accounts held jointly by husband and wife? *(Item 2c, page 50)* `5038` $. 00 x1 ☐ DK x2 ☐ Ref x3 ☐ None   `5039` 1 ☐ Office Use Only

7. What was the total amount in savings/Money market deposit accounts/CD's/Interest-earning checking accounts in own name? *(Item 3c, page 50)* `5040` $. 00 x1 ☐ DK x2 ☐ Ref. x3 ☐ None   `5041` 1 ☐ Office Use Only

8. What was the total amount in Money market funds/securities/bonds held jointly by husband and wife? *(Item 2c, page 51)* `5042` $. 00 x1 ☐ DK x2 ☐ Ref x3 ☐ None   `5043` 1 ☐ Office Use Only

CALLBACK SUMMARY (Continued)

9. What was the total amount in Money market funds/securities/bonds in own name? *(Item 3c, page 51)*

`5044` $ _____ . `00` `5045` 1 ▢ Office Use Only

x1 ▢ DK
x2 ▢ Ref.
x3 ▢ None

Amounts for the 4 month period of `Month` _____ through `Month` _____

10. What was the amount received in dividends jointly by husband and wife during the 4-month period? *(Item 1b, page 52)*

`5048` $ _____ . `00`

x1 ▢ DK
x2 ▢ Ref.
x3 ▢ None

---

11. What was the amount received in dividends in own name during the 4-month period? *(Item 2a, page 52)*

`5050` $ _____ . `00` Office Use Only

x1 ▢ DK
x2 ▢ Ref.
x3 ▢ None

Amounts as of `Month/day/year` _____ (the last day of the reference period)

12. What was the market value of stocks and mutual funds held jointly by husband and wife? *(Item 4a, page 53)*

`8858` $ _____ . `00`

x1 ▢ DK
x2 ▢ Ref.
x3 ▢ None

`8859` ▢ Office Use Only

---

13. What was the market value of stocks and mutual funds held in own name? *(Item 5b, page 53)*

`8860` $ _____ . `00`

x1 ▢ DK
x2 ▢ Ref.

`8861` ▢ Office Use Only

---

14. What was the market value of rental property owned jointly by husband and wife? *(Item 2h, page 54)*

`8862` $ _____ . `00`

x1 ▢ DK
x2 ▢ Ref.

`8863` ▢ Office Use Only

---

15. What was the market value of rental property owned in own name? *(Item 3h, page 55)*

`8864` $ _____ . `00`

x1 ▢ DK
x2 ▢ Ref.

`8865` ▢ Office Use Only

---

16. What was the share of equity in rental property held jointly with others? *(Item 4i, page 56)*

`8866` $ _____ . `00`

x1 ▢ DK
x2 ▢ Ref.

`8867` ▢ Office Use Only

---

17. What was the total balance or market value (including interest earned) of IRA accounts? *(Item 5c, page 59)*

`8868` $ _____ . `00`

x1 ▢ DK
x2 ▢ Ref.

---

18. What was the total balance or market value of assets in KEOGH account(s)? *(Item 6c, page 60)*

`8870` $ _____ . `00`

x1 ▢ DK
x2 ▢ Ref.

CHECK ITEM C2

Has an interview been conducted for all household members 15 + ?

`5052` 1 ▢ Yes — *Enter finish time on cover page, fill cc items 36 and 39 and END INTERVIEW*

2 ▢ No — *Enter finish time for this household member, THEN interview next 15 + household member*

NOTES

CALLBACK SUMMARY

INCOME SOURCE LIST

INCOME LIST

Code	Type	Code	Type
1	Social Security	28	Child support payments
2	U.S. Government Railroad Retirement pay	29	Alimony payments
3	Federal Supplemental Security Income (SSI)	30	Pension from company or union
4	State Supplemental Security Income (State administered SSI only)	31	Federal Civil Service or other Federal civilian employee pensions
5	State unemployment compensation	32	U.S. Military retirement pay
6	Supplemental Unemployment Benefits	33	National Guard or Reserve Forces retirement
7	Other unemployment compensation (Trade Adjustment Act benefits, strike pay, other)	34	State government pensions
		35	Local government pensions
8	Veterans compensation or pensions	36	Income from paid-up life insurance policies or annuities
9	Black lung payments	37	Estates and trusts
10	Workers' compensation	38	Other payments for retirement, disability or survivor
11	State temporary sickness or disability benefits	40	G.I. Bill
12	Employer or union temporary sickness policy	41	Other VA educational assistance
13	Payments from a sickness, accident or disability insurance policy purchased on your own	50	Income assistance from a charitable group
20	Aid to Families with Dependent Children (AFDC, ADC)	51	Money from relatives or friends
21	General assistance or General relief	52	Lump sum payments
22	Indian, Cuban, or Refugee Assistance	53	Income from roomers or boarders
23	Foster child care payments	54	National Guard or Reserve pay
24	Other welfare	55	Incidental or casual earnings
25	WIC (Women, Infants and Children Nutrition Program)	56	Other cash income not included elsewhere
27	Food stamps		

ASSET LIST		SPECIAL INDICATORS	
Code	Type	Code	Type
100	Regular/passbook savings accounts in a bank, savings and loan or credit union	170	Worked
		171	Disabled
101	Money market deposit accounts	172	Medicare
102	Certificates of Deposit or other savings certificates	173	Medicaid
103	Interest-earning checking accounts	174	U.S. Savings Bonds (E, EE)
104	Money market funds	175	College work study
105	U.S. Government securities	176	PELL Grant
106	Municipal or corporate bonds	177	Supplemental Educational Opportunity Grant (SEOG)
107	Other interest-earning assets	178	National Direct Student Loan (NDSL)
110	Stocks or mutual fund shares	179	Guaranteed Student Loan
120	Rental property	180	JTPA Training
130	Mortgages	181	Employer assistance
140	Royalties	182	Fellowship/Scholarship
150	Other financial investments	183	Other financial aid
		200	VA disability rating of 100%
		201	VA disability of less than 100%

INCOME SOURCE SUMMARY (ISS)

INSTRUCTION — Column (a) will show the income source code. In column (b), mark (X) for all sources from which income was received during the reference period. In column (c), enter the code to indicate whether the respondent used records to verify or provide amounts. Column (d) will show the type of income source. The Amounts section should be filled starting with the page number shown in column (e) for those income sources which have been marked.

ISS code (a)	Mark (X) (b)	Record use code 1 = Yes 2 = No 3 = Ref (c)	Type of income source and income source code (d)	Amounts section page number (e)
			INCOME CODES 1-7	
1			Social Security	
2			U.S. Government Railroad Retirement pay	
3			Federal Supplemental Security Income (SSI	
5			State Unemployment compensation	
6			Supplemental Unemployment Benefits	
			INCOME CODES 8-13	
8			Veterans compensation or pensions	
			INCOME CODES 20-29	
20			Aid to Families with Dependent Children (AFDC, ADC	
24			Other Welfare — Specify	
25			WIC (Women Infants and Children Nutrition Program	
27			Food Stamp	A - 26
28			Child Support payments	30
29			Alimony payments	34
				38
			INCOME CODES 30-38	42
30			Pension from company or union	46
			INCOME CODES 40-46	
40			GI Bill education benefits	
			INCOME CODES 50-58	
55			Incidental or casual earnings	
			ASSET CODES 100-150	
			Interest Earning Assets	
100			Regular passbook savings accounts in a bank, savings and loan or credit union	
101			Money market deposit accounts	(B) - 50
102			Certificates of Deposit or other savings certificates	
103			Interest-earning checking accounts (such as NOW or Super NOW accounts	
104			Money market funds	
105			U.S. Government securities	(C) - 51
106			Municipal or corporate bonds	
107			Other interest-earning assets	
110			Stocks or mutual fund shares	(D) - 52
120			Rental property	(E) - 54
130			Mortgages	
140			Royalties	(F) - 57
150			Other financial investments	
			SPECIAL INDICATOR CODES 170-183, 200, 201	Section 2
170			Worked	
171			Disabled	
172			Medicare	
173			Medicaid	
174			U.S. Savings Bonds	
200			VA disability rating of 100%	DO NOT FILL
201			VA disability rating of less than 100%	

PRE-INTERVIEW TRANSCRIPTION ITEMS

Fill the following items with a red pencil.

LABOR FORCE AND RECIPIENCY

EARNINGS AND EMPLOYMENT

AMOUNTS – PART A

AMOUNTS – PARTS B & C

AMOUNTS – PARTS D & E

TOPICAL MODULES

PROGRAM QUESTIONS

CALLBACK SUMMARY

APPENDIX C

Working Papers

This appendix provides a list of a SIPP Working Papers. Any of these papers are free of charge. See the order form on page C-7.

1990

9001 - "Recent Developments in the Survey of Income and Program Participation", Census Bureau

9002 - "An Analysis of Leaving Home Using Data From the 1984 Panel of the SIPP", by Alden Speare, Roger Avery, Frances Goldscheider, Brown University

9003 - "The Effect of the Marriage Market on First Marriages: Evidence From SIPP", John Fitzgerald, Bowdoin College

9004 - "Counting Spells of Unemployment", Paul Ryscavage and Kathleen Short, Census Bureau

9005 - "The Elderly and Their Sources of Income: Implications for Rural Development", Robert Hoppe, Economic Research Service, U.S. Department of Agriculture

9006 - "Alternative Estimates of Economic Well-Being by Age Using Data on Wealth and Income, Daniel Radner, Social Security Administration

9007 - "Longitudinal Analysis of Federal Survey Data", Patricia Ruggles, Joint Economic Committee

9008 - "Measurement Errors in SIPP Program Reports", Kent H. Marquis and Jeffrey C. Moore, Census Bureau

1989

8901 - "Quality of SIPP Estimates," R. P. Singh, L. Weidman, and G. Shapiro, Census Bureau

8902 - "Two Notes on Sampling Variance Estimates from the 1984 SIPP Public-Use Files," by B. Bye and S. J. Gallicchio, Social Security Administration

8903 - "Longitudinal vs. Retrospective Measures of Work Experience," P. Ryscavage and J. Coder, Census Bureau

8904 - "Analyzing the Characteristics of Blacks: A Comparison of Data from SIPP and CPS," R. Farley and L. J. Neidert, University of Michigan

8905 - "Enhanced Demographic-Economic Data Sets," R. Herriot, C. Bowie, D. Kasprzyk, and S. Haber, Census Bureau

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1987

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____ 8707	____ 8714	____ 8721	

1988

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____ 8807	____ 8814	____ 8821	____ 8828	

1989

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____ 8903	____ 8910	____ 8917	____ 8924
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1990

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APPENDIX D

Machine-Readable Data Dictionary Layout

Data dictionary lines are 46 characters. The character on the first position determines the type of lines. Each variable may have the following lines:

1. COMMENTS (" * ") lines
2. DATA DICTIONARY (" D ") ; line and DATA DESCRIPTION
3. UNIVERSE (" U ") lines
4. VALUE DESCRIPTION lines
5. One blank line at the end

FORMAT

"*" LINE – COMMENTS

a. " * " in the first position indicates that this is a comment line. This line can appear any place in the dictionary. It will be used for short comments or to nullify any value codes.

b. " ** " in the first two positions is also comments but it has additional meaning. It indicates this is a block of comments which will be applied to several variables. The first line of this block will ave the COMMENT NO. so that subsequent variable can refer back to this comment block.

"D" LINE – DATA DICTIONARY

This line contains the following information:

ID	"D"	COL	1-1
NAME	Variable name	COL	3-10
SIZE	Size of data field	COL	14-15
BEGIN	Begin position of data field	COL	19-22
TYPE	Character variable indicator "CHAR"		
	or blanks if numeric variable	COL	26-29
DEC	Implied decimal places	COL	33-34
IND	TABLE variable indicator "TABLE" with "(aa)" for		
	its dimension; otherwise blanks	COL	38-46

Text describing the variable will follow this "D" line. Use COL 6-46 and repeat as many lines as necessary.

"U" LINE – UNIVERSE DEFINITION

This line contains the universe definition. Use COL 3-46 and repeat as many lines as necessary.

ID	" U "	COL	1-1
DESCRIPTION	Universe description	COL	3-46

(For continuation use COL 3-46 and repeat as many lines as necessary.)

"V" LINE – VALUE DEFINITION

ID	" V "	COL	1-1
VALUE	Value code-right justified	COL	3-12
	" . "	COL	14
DESCRIPTION	Value description	COL	15-46

(Repeat COL 14-46 format for continued value description.)

APPENDIX E

User Notes

This section is reserved for any information relevant to the SIPP 1990 Panel, Wave 4 Topical Module Microdata File that indicates specific problems with the data, or that becomes available after the file is released. Any such information should be filed behind this page.

User Notes will be sent to all users who (1) purchased their file (or technical documentation) from the Census Bureau and (2) returned the coupon following the title page.